



# SERVICE MANUAL

## WIDE LCD PANEL TELEVISION

### LT-26C50BJ

BASIC CHASSIS

FL

LT-26C50BJ is the models whose destination was changed based on LT-26C50BU. Therefore, this service manual describes only the items which differ from those of the LT-26C50BU service manual.  
For details other than those described in this manual, please refer to the LT-26C50BU service manual (No.YA203, 2004/11).

## MAIN DIFFERENCE POINT

Item	LT-26C50BU	LT-26C50BJ
POWER CORD	EU Type (2-Pins)	UK Type (3-Pins)
DIGITAL SIGNAL PWB	LCA10428-59C (SFL-0D201A)	SFL0D201A-U2

# DIFFERENCE LIST

## USING P.W. BOARD (Page 3-3)

P.W.B ASS'Y Name	LT-26C50BU	LT-26C50BJ	DESCRIPTION
DIGITAL SIGNAL PWB	LCA10428-59C (SFL-0D201A)	SFL0D201A-U2	Compatible

## EXPLODED VIEW PARTS LIST -1 (Page 3-3)

⚠	Ref. No.	Part No.		PART NAME	DESCRIPTION
		LT-26C50BU	LT-26C50BJ		
⚠	102	LC21301-025A-U	LC21301-039A-U	RATING LABEL	
⚠	103	LC30789-002B-U	---	WARNING LABEL	Delete
⚠	105	LC21300-020B-U	LC21300-021B-U	RATING LABEL	
⚠	119	QMPK300-170-JC	QMPN260-170-JC	POWER CORD	
⚠	140	LC12032-001B-U	LC12032-007A-U	FRONT PANEL ASSY	

## PACKING PARTS LIST (Page 3-17)

⚠	Ref. No.	Part No.		PART NAME	DESCRIPTION
		LT-26C50BU	LT-26C50BJ		
	002	AEM1066-058-E	AEM1066-026-E	EURO LABEL	
	004	AEM4166-001A-U	---	POWER CORD HOLDER	Delete
⚠	010	LCT1700-001A-U	LCT1792-001A-U	INST BOOK	English
⚠	011	LCT1701-001A-U	---	INST BOOK	Delete
⚠	012	LCT1702-001A-U	---	INST BOOK	Delete
⚠	013	LCT1769-001A-U	---	INST SHEET	Delete

## **SECTION 1 PRECAUTION**

Please refer to "LT-26C50BU (No.YA203)" about this section.

## **SECTION 2 SPECIFIC SERVICE INSTRUCTIONS**

Please refer to "LT-26C50BU (No.YA203)" about this section.

## **SECTION 3 DISASSEMBLY**

Please refer to "LT-26C50BU (No.YA203)" about this section.

## **SECTION 4 ADJUSTMENT**

Please refer to "LT-26C50BU (No.YA203)" about this section.

## **SECTION 5 TROUBLESHOOTING**

Please refer to "LT-26C50BU (No.YA203)" about this section.



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(No.YA203B)



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VPT



# JVC

## SERVICE MANUAL

WIDE LCD PANEL TELEVISION

### LT-26C50BU, LT-26C50SU

BASIC CHASSIS

FL

**D.I.S.T.**  
Digital Image Scaling Technology

InteríArt

**T-V LINK**

**BBE**



### TABLE OF CONTENTS

1	PRECAUTION.....	1-3
2	SPECIFIC SERVICE INSTRUCTIONS.....	1-6
3	DISASSEMBLY .....	1-10
4	ADJUSTMENT .....	1-16
5	TROUBLESHOOTING .....	1-23

# SPECIFICATION

Items		Contents
Dimensions ( W × H × D )		70.3cm × 56.0 cm × 29.5 cm [Included stand] 70.3cm × 49.1 cm × 10.7 cm [TV only]
Mass		15.5kg [Included stand] 13.0kg [TV only]
Power Input		AC110 to AC240 V, 50 Hz / 60 Hz
Power Consumption		125W (Standby: 2.8W)
TV RF System		CCIR B/G, I, D/K, L
Colour System		PAL / SECAM / NTSC 3.58 / NTSC 4.43 (NTSC: EXT only).
Stereo System		A2 (B/G, D/K), NICAM (B/G, I, D/K, L)
Teletext System		FLOF (Fastext), TOP, WST (World Standard System)
Receiving Frequency	VHF UHF CATV	47MHz to 470MHz 470MHz to 862MHz 116MHz to 172MHz / 220MHz to 469MHz
Intermediate Frequency	VIF SIF	38.9MHz(B/G, D/K, I) 33.4MHz(5.5MHz:B/G) / 32.9MHz(6.0MHz:I) / 32.4MHz(6.5MHz:L,D/K)
Colour Sub Carrier Frequency	PAL SECAM NTSC	4.43MHz 4.40625MHz / 4.25MHz 3.58MHz / 4.43MHz
LCD panel		26V-inch wide aspect (16:9)
Screen Size		Diagonal : 66cm (H:57.6cm × V : 32.4cm)
Display Pixels		Horizontal : 1366 dots × Vertical : 768 dots (W-XGA)
Audio Power Output		10W + 10W
Speaker		6.6cm, round type × 2 (Oblique corn)
Aerial terminal (VHF/UHF)		F-type connector, 75Ω unbalanced, coaxial
EXT-1 / EXT-2 (Input / Output)		21-pin Euro connector (SCART socket ) × 2
EXT-3 (Input)	S-Video  Video Audio	Mini-DIN 4 pin × 1 Y: 1V (p-p), Positive (Negative sync provided), 75 Ω C: 0.286V (p-p) (Burst signal), 75 Ω 1V (p-p), Positive (Negative sync provided), 75 Ω, RCA pin jack × 1 500mV (rms), High impedance, RCA pin jack × 2
EXT-4 (Input)	Component Video 1125i 625p / 525p / 625i / 525i Audio	RCA pin jack × 3 Y : 1V (p-p) (Sync signal: ±0.35V(p-p), 3-value sync.), 75Ω Pb/Pr : ±0.35V(p-p), 75 Ω Y : 1V (p-p), Positive (Negative sync provided), 75 Ω Cb/Cr : 0.7V(p-p), 75 Ω 500mV(rms) (-4dBs), high impedance, RCA pin jack × 2
PC (RGB) Input		D-sub 15pin × 1 R/G/B : 0.7V (p-p), 75Ω HD / VD : 1V (p-p) to 5V (p-p), high impedance < Available signal > VGA : 640 pixels × 480 pixels (Horizontal : 31.5kHz / Vertical : 60Hz) XGA : 1024 pixels × 768 pixels (Horizontal : 48.4kHz / Vertical : 60Hz)
Audio output		500mV (rms), Low impedance, RCA pin jack × 2
Headphone		3.5mm stereo mini jack × 1
Remote Control Unit		RM-C1811H (AA/R6 dry cell battery × 2)

Design & specifications are subject to change without notice.

# SECTION 1

## PRECAUTION

### 1.1 SAFETY PRECAUTIONS

- (1) The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
- (2) Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
- (3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by (  $\Delta$  ) on the parts list in Service manual.** The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.
- (4) **Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.**  
Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (  $\perp$  ) side GND, the ISOLATED (NEUTRAL) : (  $\equiv$  ) side GND and EARTH : (  $\oplus$  ) side GND.  
Don't short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND and never measure the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND at the same time with a measuring apparatus (oscilloscope etc.). If above note will not be kept, a fuse or any parts will be broken.
- (5) When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.

#### (6) Isolation Check (Safety for Electrical Shock Hazard)

After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

##### a) Dielectric Strength Test

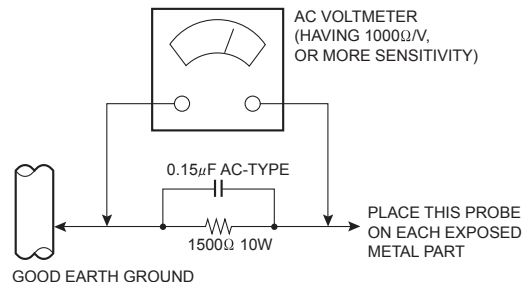
The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 3000V AC (r.m.s.) for a period of one second. (. . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.) This method of test requires a test equipment not generally found in the service trade.

##### b) Leakage Current Check

Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.). However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

##### Alternate Check Method

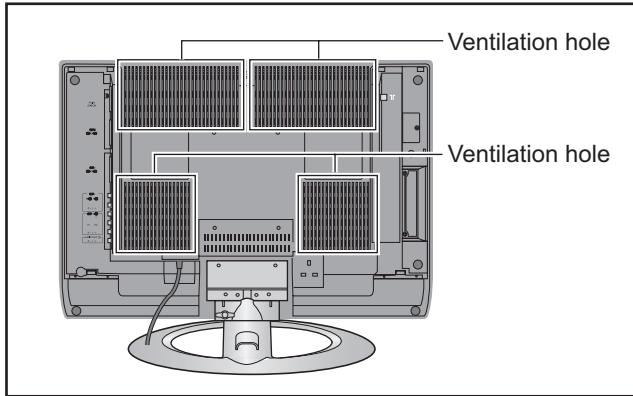
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000 $\Omega$  per volt or more sensitivity in the following manner. Connect a 1500 $\Omega$  10W resistor paralleled by a 0.15 $\mu$ F AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.). However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).



## 1.2 INSTALLATION

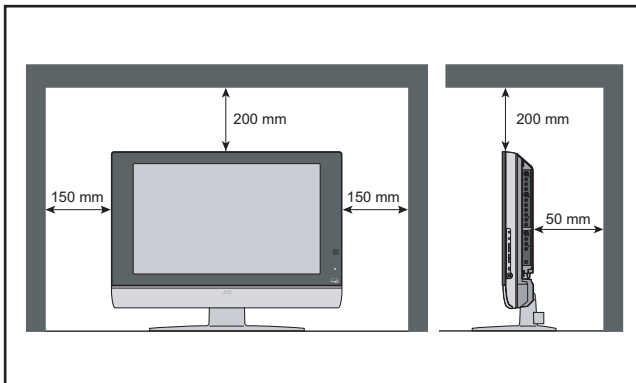
### 1.2.1 HEAT DISSIPATION

If the heat dissipation vent behind this unit is blocked, cooling efficiency may deteriorate and temperature inside the unit will rise. The temperature sensor that protects the unit will be activated when internal temperature exceeds the pre-determined level and power will be turned off automatically. Therefore, please make sure pay attention not to block the heat dissipation vent as well as the ventilation outlet behind the unit and ensure that there is room for ventilation around it.



### 1.2.2 INSTALLATION REQUIREMENTS

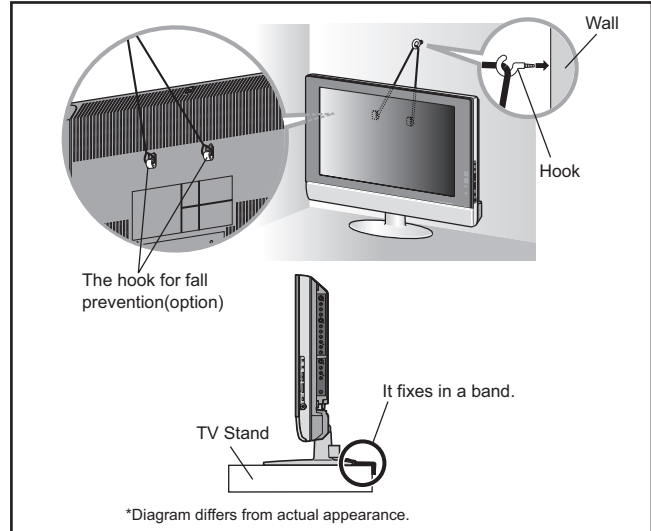
Ensure that the minimal distance is maintained, as specified below, between the unit with and the surrounding walls, as well as the floor etc. Install the unit on stable flooring or stands. Take precautionary measures to prevent the unit from tipping in order to protect against accidents and earthquakes.



### 1.2.3 INSTALLATION REQUIREMENTS

To ensure safety in an emergency such as an earthquake, and to prevent accidents, ensure that measures are taken to prevent the TV dropping or falling over.

Use the supplied screws to firmly attach the supplied hooks (OPTION) to the back of the TV, and use commercially available cord to fix the TV to rigid components such as walls and columns.



### 1.2.4 NOTES ON HANDLING

#### (1) WHEN TAKING UNIT OUT OF A PACKING CASE

When taking the unit out of a packing case, do not grasp the upper part of the unit. If you take the unit out while grasping the upper part, the LCD PANEL may be damaged because of a pressure. Instead of grasping the upper part, put your hands on the lower backside or sides of the unit.

#### (2) AS FOR PRESSING OR TOUCHING A SPEAKER

Be careful not to press the opening of the speaker in the lower part of the unit and around them since the decorative sheet on the surface of the openings may be deformed.

### 1.3 HANDLING LCD PANEL

#### 1.3.1 PRECAUTIONS FOR TRANSPORTATION

When transporting the unit, pressure exerted on the internal LCD panel due to improper handling (such as tossing and dropping) may cause damages even when the unit is carefully packed. To prevent accidents from occurring during transportation, pay careful attention before delivery, such as through explaining the handling instructions to transporters.

Ensure that the following requirements are met during transportation, as the LCD panel of this unit is made of glass and therefore fragile:

(1) **USE A SPECIAL PACKING CASE FOR THE LCD PANEL**

When transporting the LCD panel of the unit, use a special packing case (packing materials). A special packing case is used when a LCD panel is supplied as a service spare part.

(2) **ATTACH PROTECTION SHEET TO THE FRONT**

Since the front (display part) of the panel is vulnerable, attach the protection sheet to the front of the LCD panel before transportation. Protection sheet is used when a LCD panel is supplied as a service spare part.

(3) **AVOID VIBRATIONS AND IMPACTS**

The unit may be broken if it is toppled sideways even when properly packed. Continuous vibration may shift the gap of the panel, and the unit may not be able to display images properly. Ensure that the unit is carried by at least 2 persons and pay careful attention not to exert any vibration or impact on it.

(4) **DO NOT PLACE EQUIPMENT HORIZONTALLY**

Ensure that it is placed upright and not horizontally during transportation and storage as the LCD panel is very vulnerable to lateral impacts and may break. During transportation, ensure that the unit is loaded along the traveling direction of the vehicle, and avoid stacking them on one another. For storage, ensure that they are stacked in 2 layers or less even when placed upright.

#### 1.3.2 OPTICAL FILTER (ON THE FRONT OF THE LCD PANEL)

- (1) Avoid placing the unit under direct sunlight over a prolonged period of time. This may cause the optical filter to deteriorate in quality and COLOUR.
- (2) Clean the filter surface by wiping it softly and lightly with a soft and lightly fuzz cloth (such as outing flannel).
- (3) Do not use solvents such as benzene or thinner to wipe the filter surface. This may cause the filter to deteriorate in quality or the coating on the surface to come off. When cleaning the filter, usually use the neutral detergent diluted with water. When cleaning the dirty filter, use water-diluted ethanol.
- (4) Since the filter surface is fragile, do not scratch or hit it with hard materials. Be careful enough not to touch the front surface, especially when taking the unit out of the packing case or during transportation.

#### 1.3.3 PRECAUTIONS FOR REPLACEMENT OF EXTERIOR PARTS

Take note of the following when replacing exterior parts (REAR COVER, FRONT PANEL, etc.):

- (1) Do not exert pressure on the front of the LCD panel (filter surface). It may cause irregular COLOUR.
- (2) Pay careful attention not to scratch or stain the front of the LCD panel (filter surface) with hands.
- (3) When replacing exterior parts, the front (LCD panel) should be placed facing downward. Place a mat, etc. underneath to avoid causing scratches to the front (filter surface).

## SECTION 2

### SPECIFIC SERVICE INSTRUCTIONS

#### 2.1 FEATURES

##### D.I.S.T. (Digital Image Scaling Technology)

This system uses line interpolation to double the number of scanning lines and achieve high resolution, flicker-free picture.

##### COLOUR MANAGEMENT

This function ensures dull colours are compensated to produce natural hues.

##### PICTURE MANAGEMENT

This function makes it easier to see the dark areas when a picture has many dark areas, and makes it easier to see the bright areas when a picture has many bright areas.

##### ZOOM

This function can change the screen size according to the picture aspect ratio.

##### DIGITAL VNR

This function cuts down the amount of noise in the original picture.

##### SUPER DIGIPURE

This function uses the latest in digital technology to give you a natural-looking picture.

##### MOVIE THEATRE

This function displays a cinema film picture more smoothly and naturally on the screen.

##### 3D CINEMA SOUND

You can enjoy sounds with a wider ambience.

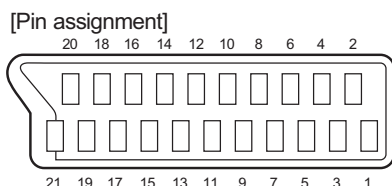
#### 2.2 MAIN DIFFERENCE LIST

Item	LT-26C50BU	LT-26C50SU
FRONT PANEL COLOUR	BLACK	SILVER

#### 2.3 21-PIN EURO CONNECTOR (SCART) : EXT-1 / EXT-2

Pin No.	Signal designation	Matching value	EXT-1	EXT-2
1	AUDIO R output	500mV(rms) (Nominal), Low impedance	Used (TV OUT)	Used (LINE OUT)
2	AUDIO R input	500mV(rms) (Nominal), High impedance	Used (R1)	Used (R2)
3	AUDIO L output	500mV(rms) (Nominal), Low impedance	Used (TV OUT)	Used (LINE OUT)
4	AUDIO GND		Used	Used
5	GND (B)		Used	Used
6	AUDIO L input	500mV(rms) (Nominal), High impedance	Used (L1)	Used (L2)
7	B input	700mV <sub>(B-W)</sub> , 75Ω	Used	Used
8	FUNCTION SW (SLOW SW)	Low : 0V-3V High : 8V-12V, High impedance	Used	Used
9	GND (G)		Used	Used
10	SCL / T-V LINK		Not used	Used (SCL2 / TV-LINK)
11	G input	700mV <sub>(B-W)</sub> , 75Ω	Used	Used
12	SDA		Not used	Used (SDA2)
13	GND (R)		Used	Used
14	GND (YS)		Used	Not used
15	R / C input	R : 700mV <sub>(B-W)</sub> , 75Ω C : 300mV <sub>(P-P)</sub> , 75Ω	Used (R)	Used (C2/R)
16	Ys input (FAST SW)	Low : 0V-0.4V, High : 1V-3V, 75Ω	Used	Used
17	GND (VIDEO output)		Used	Used
18	GND (VIDEO input)		Used	Used
19	VIDEO output	1V <sub>(P-P)</sub> (Negative sync), 75Ω	Used (TV OUT)	Used (LINE OUT)
20	VIDEO / Y input	1V <sub>(P-P)</sub> (Negative sync), 75Ω	Used	Used
21	COMMON GND		Used	Used

(P-P= Peak to Peak, B-W= Blanking to white peak)



## 2.4 TECHNICAL INFORMATION

### 2.4.1 LCD PANEL

This unit uses the flat type panel LCD (Liquid Crystal Display) panel that occupies as little space as possible, instead of the conventional CRT (Cathode Ray Tube), as a display unit.

Since the unit has the two polarizing filter that are at right angles to each other, the unit adopts "normally black" mode, where light does not pass through the polarizing filter and the screen is black when no voltage is applied to the liquid crystals.

#### 2.4.1.1 SPECIFICATIONS

The following table shows the specifications of this unit.

Item	Specifications	Remarks
Maximum dimensions ( W × H × D )	627mm × 374mm × 52mm	
Weight	4.5kg	
Effective screen size	Diagonal: 660.4mm (H:575.7mm × V : 323.7mm)	26V type
Aspect ratio	16 : 9	
Drive device / system	a-Si-TFT, active matrix system	
Resolution	Horizontally 1366 × Vertically 768 × RGB <W-XGA>	3147264 dots in total
Pixel pitch (pixel size)	Horizontally:0.4215mm, Vertically:0.4215mm	
Displayed colour	16777216 colours	256 colours for R, G, and B
Brightness	500cd/m <sup>2</sup>	
Contrast ratio	800: 1	
Response time	8ms	
View angle	Horizontally: 170°, Vertically: 170°	
Surface polarizer	Anti-Glare type, Low reflective coat	
Colour filter	Vertical stripe	
Backlight	U-type Cold cathode fluorescent lamp × 8	
Power supply voltage in LCD	6.5V	
Power supply voltage in inverter	18V	
Panel interface system	LVDS (Low Voltage Differential Signaling)	

#### 2.4.1.2 PIXEL FAULT

There are three pixel faults - bright fault , dark fault and flicker fault - that are respectively defined as follows.

##### ■ BRIGHT FAULT

In this pixel fault, a cell that should not light originally is lighting on and off.

For checking this pixel fault, input ALL BLACK SCREEN and find out the cell that is lighting on and off.

##### ■ DARK FAULT

In this pixel fault, a cell that should light originally is not lighting or lighting with the brightness twice as brighter as originally lighting.

For checking this pixel fault, input 100% of each R/G/B colour and find out the cell that is not lighting.

##### ■ FLICKER FAULT

In the pixel fault, a cell that should light originally or not light originally is flashing on and off.

For checking this pixel fault, input ALL BLACK SCREEN signal or 100% of each RGB colour and find out the cell that is flashing on and off.

## 2.4.2 MAIN CPU PIN FUNCTION [IC7501 : DIGITAL SIGNAL PWB ASS'Y]

Pin	Pin name	I/O	Function	Pin	Pin name	I/O	Function
1	TCK	I	Test purpose	65	D2	I/O	Program ROM data for main CPU
2	TMS	I	Test purpose	66	D12	I/O	Program ROM data for main CPU
3	TDI	I	Test purpose	67	D10	I/O	Program ROM data for main CPU
4	TDO	O	Test purpose	68	VSS33	-	GND
5	P2.8	O	Not used	69	VDD33	I	3.3V
6	P2.9	O	Blue for OSD	70	D4	I/O	Program ROM data for main CPU
7	P2.10	O	Blue for OSD	71	D3	I/O	Program ROM data for main CPU
8	P2.11	O	Blue for OSD	72	D11	I/O	Program ROM data for main CPU
9	P2.12	O	Blue for OSD	73	RSTIN	I	Reset
10	P2.13	O	Blue for OSD	74	POWER	O	Sleep state release for chassis CPU [Release : L]
11	P2.14	I	Not used	75	P3.1	O	Not used
12	P2.15	O	Request for chassis CPU communication	76	REMOCON	I	Remote control
13	VSS33	-	GND	77	P3.3	I	Clock for OSD
14	VDD33	I	3.3V	78	P3.4	O	Red for OSD
15	P4.5	O	Not used	79	P3.5	O	Red for OSD
16	A20	O	Program ROM address for main CPU	80	P3.6	O	Red for OSD
17	A19	O	Program ROM address for main CPU	81	P3.7	O	Red for OSD
18	A18	O	Program ROM address for main CPU	82	MTST	O	Data transmission for chassis CPU communication
19	A17	O	Program ROM address for main CPU	83	MTSR	I	Data receive for chassis CPU communication
20	VSS25	-	GND	84	VSS33	-	GND
21	VDD25	I	2.5V	85	VDD33	I	3.3V
22	A16	O	Program ROM address for main CPU	86	VSS25	-	GND
23	A8	O	Program ROM address for main CPU	87	VDD25	I	2.5V
24	A7	O	Program ROM address for main CPU	88	TXD0	O	Communication for adjustment
25	A9	O	Program ROM address for main CPU	89	RXD0	O	Communication for adjustment
26	A6	O	Program ROM address for main CPU	90	P3.12	O	Red for OSD
27	A5	O	Program ROM address for main CPU	91	CLK	O	Clock for chassis CPU communication
28	A10	O	Program ROM address for main CPU	92	P3.15	O	Green for OSD
29	A11	O	Program ROM address for main CPU	93	P5.14	O	Green for OSD
30	A12	O	Program ROM address for main CPU	94	P5.15	O	Green for OSD
31	VSS33	-	GND	95	TRIG_IN	O	Green for OSD
32	VDD33	I	3.3V	96	TRIG_OUT	O	Green for OSD
33	A4	O	Program ROM address for main CPU	97	P6.2	O	Green for OSD
34	A3	O	Program ROM address for main CPU	98	P6.3	O	I <sup>2</sup> C bus clock (for main memory)
35	A2	O	Program ROM address for main CPU	99	P6.4	I/O	I <sup>2</sup> C bus Data (for main memory)
36	A1	O	Program ROM address for main CPU	100	P6.5	O	Teletext signal select [Analog RGB : H / Digital RGB : L]
37	A0	O	Program ROM address for main CPU	101	IRQ	O	Not used
38	A13	O	Program ROM address for main CPU	102	VSYNC	I	Vertical sync
39	ARAS/A14	O	Program ROM address for main CPU	103	HSYNC	I	Horizontal sync
40	CAS/A15	O	Program ROM address for main CPU	104	COR/STOUT	O	Not used
41	VSS33	-	GND	105	BLANK	O	Ys for OSD / Teletext
42	VDD33	I	3.3V	106	VDD33	I	3.3V
43	MEMCLK	O	Clock for memory	107	VSS33	-	GND
44	CSSDRAM	O	Chip select for memory	108	XTAL1	I	6MHz for system clock
45	CLKEN	O	Clock enable for memory	109	XTAL2	O	6MHz for system clock
46	CSROM	O	Chip select for memory	110	VSSA	-	GND
47	RD	O	Read for memory	111	VDDA	I	2.5V
48	UDQM	O	Control buffer of memory	112	R	O	R for OSD / Teletext
49	LDQM	O	Control buffer of memory	113	G	O	G for OSD / Teletext
50	WR	O	Write for memory	114	B	O	B for OSD / Teletext
51	D15	I/O	Program ROM data for main CPU	115	VSSA	-	GND
52	VSS33	-	GND	116	VDDA	I	2.5V
53	VDD33	I	3.3V	117	CVBS2	I	Video for Teletext
54	D7	I/O	Program ROM data for main CPU	118	VSSA	-	GND
55	D0	I/O	Program ROM data for main CPU	119	VDDA	I	2.5V
56	D14	I/O	Program ROM data for main CPU	120	CVBS1B	I	Video for Teletext
57	D8	I/O	Program ROM data for main CPU	121	CVBS1A	I	Video for Teletext
58	D6	I/O	Program ROM data for main CPU	122	VSSA	-	GND
59	D1	I/O	Program ROM data for main CPU	123	VDDA	I	2.5V
60	VSS33	-	GND	124	KEY1	I	Key scan data 1 [ON : H]
61	VDD33	I	3.3V	125	KEY2	I	Key scan data 2 [ON : H]
62	D13	I/O	Program ROM data for main CPU	126	MECA_SW	I	Main power ON / OFF control [ON : L]
63	D9	I/O	Program ROM data for main CPU	127	P5.3	I	Not used
64	D5	I/O	Program ROM data for main CPU	128	TMODE	I	Test purpose



### 2.4.3 SUB (CHASSIS) CPU PIN FUNCTION [IC7001 : DIGITAL SIGNAL PWB ASS'Y]

Pin	Pin name	I/O	Function	Pin	Pin name	I/O	Function
1	LB_PRO	O	Not used	51	BS_TXD	O	Not used : Data transmission for digital tuner communication
2	P_MU	O	Picture muting [Muting = H]	52	BS_RXD	I	Not used : Data receive for digital tuner communication
3	JP_CSB	O	Not used (NC)	53	NC	O	Not used (NC)
4	A_MU	O	Audio muting [Muting = H]	54	VREF+	I	3.3V power supply
5	M_MU	O	Audio muting (for AUDIO OUT) [Muting = H]	55	PDP_TX	O	Data transmission for SUB (DRIVE) CPU communication
6	PC_SEL	O	RGB(PC) INPUT select	56	PDP_RX	I	Data receive for SUB (DRIVE) CPU communication
7	ON_TIMER	O	POWER INDICATOR (LED) brightness [LOW = L]	57	SDA0	I/O	Data for Inter IC (serial) bus : EEPROM (IC7002)
8	ILA0	O	Not used : LCD back light lighting	58	SCL0	O	Clock for Inter IC (serial) bus : EEPROM (IC7002)
9	ILA1	O	Not used : LCD panel overshoot refresh timing	59	SDA_DVI	I/O	Not used : Data for Inter IC (serial) bus for panel communication
10	ILA2	O	Not used	60	SCL_DVI	O	Not used : Clock for Inter IC (serial) bus for panel communication
11	POW_LED	O	POWER LED lighting [ON = H]	61	AVSS	-	GND
12	WORD	O	Not used	62	DIGI_PHOT	I	Not used: Photo sensor for DIGITAL-IN illegal copy protection
13	MI_CK	I	Clock for main CPU communication	63	AGC	I	Not used
14	MI_TX	I	Data receive for main CPU communication	64	EXT_YS1	I	Not used
15	MI_RX	O	Data transmission for MAIN CPU communication	65	EXT_YS2	I	Not used
16	MI_REQ	O	Data request for main CPU communication [Request = L]	66	VDD	I	3.3V power supply
17	VDD	I	3.3V power supply	67	DIGI_PRO	O	Not used : For DIGITAL-IN (HDMI)
18	FOSC	O	Not used (NC)	68	GCR_RST	O	Not used (NC)
19	VSS	-	GND	69	GR_ON	O	Not used (NC)
20	X1	I	Not used : Low speed oscillator	70	SYNC_SEL	O	Not used : Sync select for digital tuner
21	X0	O	Not used : Low speed oscillator	71	NC	O	Not used (NC)
22	VDD	I	3.3V power supply	72	NC	O	Not used (NC)
23	OSC1	I	System clock oscillation (crystal) : 16MHz	73	SBD5	I/O	Not used : Data for writing on board (connect CN01P : for Frash ROM type)
24	OSC0	O	System clock oscillation (crystal) : 16MHz	74	SBT5	I	Not used : Clock for writing on board (connect CN01P : for Frash ROM type)
25	MODE	I	Single chip mode	75	NMI	I	3.3V power supply
26	BS1.5CTL	O	Not used : Digital tuner power / reset control	76	COMP	I	Not used : AV COMPULINK III control
27	A92RES	O	Reset for IC1001(3D YC SEP / COLOUR DEMODULAT) [Reset = H]	77	REMO	I	Remote control
28	BS_RST	O	Not used: Reset for Digital tuner power / reset control	78	VSYNC	I	V. sync pulse
29	LIP_RST	O	Not used: Reset for Sound delay (Lip sync)	79	WAKE	I	Reset for sub(chassis) CPU
30	SOFT_OFF	O	Not used	80	POWERGOOD	I	Power error detection [NG = H]
31	VMUTE	I	Not used: Picture muting request from digital tuner	81	NC	O	Not used (NC)
32	VOUTENB	O	Not used: Video cutoff for digital tuner	82	RST	I	Reset for MAIN CPU [Reset = L]
33	MDR_CON	I	Not used: System cable connection monitor for PDP	83	VDD	I	3.3V power supply
34	AVDD	I	3.3V power supply	84	SCL3A	O	Clock for Inter IC (serial) bus control
35	BS_POW	O	Not used : Digital tuner power control	85	SDA3A	I/O	Data for Inter IC (serial) bus control
36	DsyncSW2	O	Sync select for DIGITAL-IN [Cotrolled with 99-pin]	86	SCL3B	O	Clock for Inter IC (serial) bus control
37	LB_POW	O	Not used : Power control for low bias line	87	SDA3B	I/O	Data for Inter IC (serial) bus control
38	NC	O	Not used (NC)	88	DIGI_SYNCSEL	O	Not used
39	HOTPLUG	I	Not used : Video communication monitor for receiver unit (PDP)	89	DIGI_LRSW	O	Not used : For DIGITAL-IN (HDMI)
40	MECA_SW	I	Mechanical monitor for POWER switch [Push = L]	90	DIGI_INT	I	Not used : Reset for HDMI process [Reset = L]
41	MAIN_POW	O	Main power control [ON = L]	91	DVI_RST	O	Not used : Reset for DVI format conversion
42	MSP_RST	O	AUDIO OUT output mode select [VARIABLE = L]	92	VSS	-	GND
43	VREF-	I	Not used	93	SCL5055	O	Clock for Inter IC (serial) bus : JCC5055 (DIST process)
44	AFT2	I	Not used : AFT voltage for sub tuner	94	VFORMATSEL	O	Not used : Digital tuner clock control
45	AFT1	I	AFT voltage for VHF/UHF tuner	95	SDA5055	I/O	Data for Inter IC (serial) bus : JCC5055 (DIST process)
46	KEY2	I	Key scan data for front switch (MENU/CH+/CH-)	96	OSD_MODE_SEL	O	Not used : OSD mode select
47	KEY1	I	Key scan data for front switch (VOL+/VOL-)	97	NC	O	Not used (NC)
48	NC	O	Not used (NC)	98	15K/OTH	O	Main video select [Fixed = H]
49	NC	O	Not used (NC)	99	DsyncSW1	O	Not used : Sync select for DIGITAL-IN [Cotrolled with 36-pin]
50	AC_IN	I	AC power pulse for timer clock	100	57 BUSY	I	Busy monitor for JCC5057 (New DIST process)

## SECTION 3 DISASSEMBLY

### 3.1 DISASSEMBLY PROCEDURE

#### NOTE:

- Make sure that the power cord is disconnected from the outlet.
- Pay special attention not to break or damage the parts.
- When removing each board, remove the connectors as required. Taking notes of the connecting points (connector numbers) makes service procedure manageable.
- Make sure that there is no bent or stain on the connectors before inserting, and firmly insert the connectors.

#### 3.1.1 REMOVING THE STAND (Fig.1)

- (1) Remove the 2 screws [A], then remove the STAND COVER.
- (2) Remove the 4 screws [B], then remove the STAND.

#### 3.1.2 REMOVING THE REAR COVER (Fig.1)

- Remove the STAND.
  - (1) Remove the JACK COVER (L/R).
  - (2) Remove the 7 screws [C], the 4 screws [D], and the 1 screw [E].
  - (3) Remove the REAR COVER.

#### 3.1.3 REMOVING THE POWER PWB / REGULATOR PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.
  - (1) Remove the 5 screws [F], then remove the FAN BRACKET.
  - (2) Remove the 1 screw [G], then remove the POWER CORD HOLDER.
  - (3) Remove the POWER CORD from the POWER PWB.
  - (4) Remove the REGULATOR PWB.
  - (5) Remove the 5 screw [H], then remove the POWER PWB.

#### 3.1.4 REMOVING THE ANALOG SYGNAL PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the FAN BRACKET.
  - (1) Remove the 3 screws [J] then remove the TERMINAL BASE.
  - (2) Remove the 6 screws [K] then remove the ANALOG SYGNAL PWB.

#### 3.1.5 REMOVING THE FRONT CONTROL PWB CONTROL / FRONT SENSOR PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.
  - (1) Remove the 2 screws [L], then remove the CONTROL KNOB ASSY.
  - (2) Remove the 2 screws [M], then remove the FRONT CONTROL PWB.
  - (3) Remove the FRONT SENSOR PWB.

#### 3.1.6 REMOVING THE RECEIVER PWB / CONNECTOR PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.
  - (1) Remove the 4 screws [O] then remove the RECEIVER PWB.
  - (2) Remove the 4 screws [P] then remove the RECEIVER PWB BRACKET.
  - (3) Remove the 2 screws [Q] then remove the CONNECTOR PWB.

#### 3.1.7 REMOVING THE DIGITAL SIGNAL PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.
  - (1) Remove the 9 screws [S] and the 3screws [T], then remove the SHIELD COVER.
  - (2) Remove the 3 screws [U], then remove the TUNER BASE and SIDE SHIELD CASE.
  - (3) Remove the 5 screws [V], then remove the DIGITAL SIGNAL PWB.

#### 3.1.8 REMOVING THE SPEAKER (Fig.2)

- Remove the STAND.
- Remove the REAR COVER.
  - (1) Remove the 5 screws [a], then remove the SPEAKER BOX.
  - (2) Remove the 4 screws [b], then remove the SPEAKER (L /R).
  - (3) Remove the 4 screws [c], then remove the DUCT(L/R).

#### NOTE:

Since the speaker is attached in a certain direction, attach the speaker in the same correct direction as it has been attached.

#### 3.1.9 REMOVING THE LCD PANEL UNIT (Fig.2)

- Remove the STAND.
- Remove the REAR COVER.
  - (1) Remove the 6 screws [d].
  - (2) Remove the LCD PANEL UNIT.
  - (3) Remove the 7 screws [f]. then remove the MAIN BASE.
  - (4) Remove the 2 screws [g]. then remove the TOP FRAME.
  - (5) Remove the 2 screws [h]. then remove the BOTTOM FRAME.

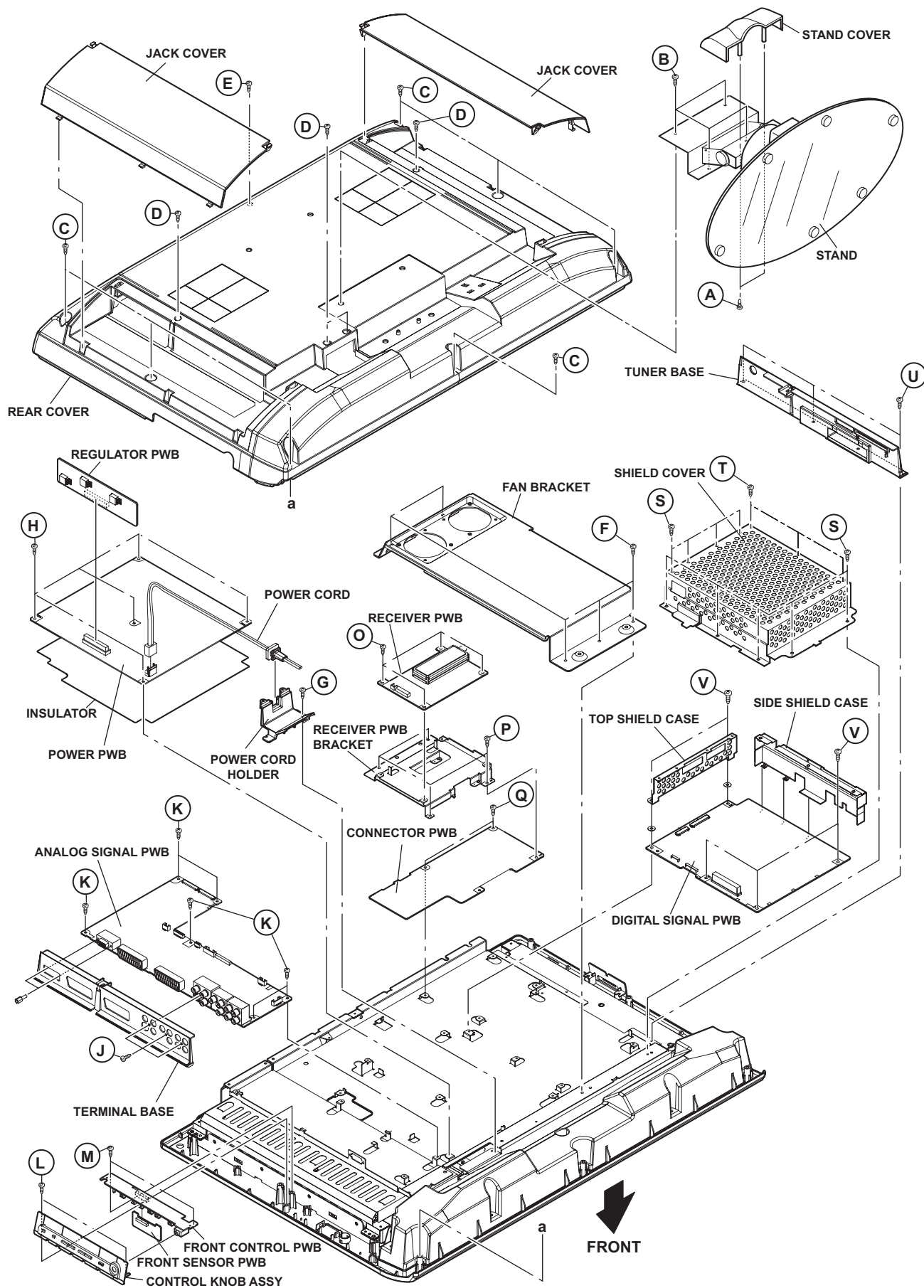


Fig.1

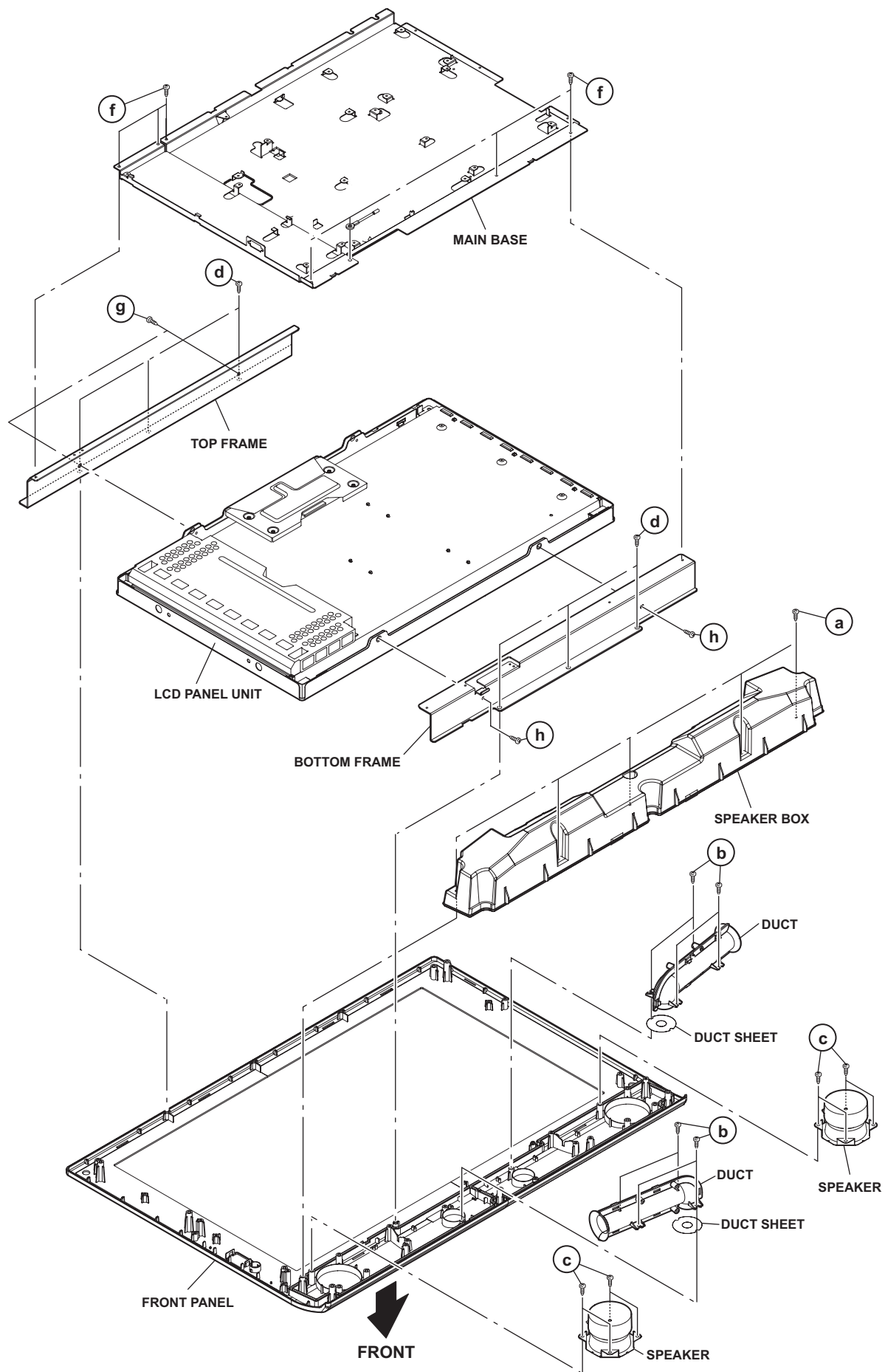


Fig.2

## 3.2 MEMORY IC REPLACEMENT

- This model uses the memory IC.
- This memory IC stores data for proper operation of the video and drive circuits.
- When replacing, be sure to use an IC containing this (initial value) data.

### 3.2.1 MEMORY IC REPLACEMENT PROCEDURE

#### 1. Power off

Switch off the power and disconnect the power plug from the AC outlet.

#### 2. Replace the memory IC

Be sure to use the memory IC written with the initial setting values.

#### 3. Power on

Connect the power plug to the AC outlet and switch on the power.

#### 4. Receiving channel setting

Refer to the OPERATING INSTRUCTIONS and set the receive channels (Channels Preset) as described.

#### 5. User setting

Check the user setting items according to the given in page later. Where these do not agree, refer to the OPERATING INSTRUCTIONS and set the items as described.

#### 6. SERVICE MODE setting

Verify what to set in the SERVICE MODE, and set whatever is necessary (Fig.1). Refer to the SERVICE ADJUSTMENT for setting.

### 3.2.2 SERVICE MODE SETTING

#### ■SERVICE MODE SCREEN

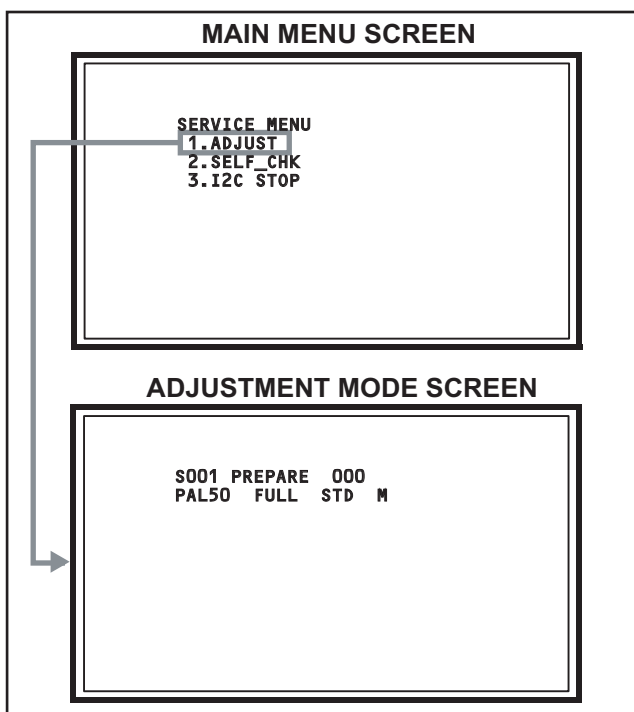


Fig.1

#### ■SETTING ITEM

Setting items	Settings	Item No.
Video system setting	Adjust	S001 to S039
Audio system setting	Fixed	T001 to T010
Panel control system setting	Fixed	P001 to P010
Drive system setting	Fixed	D001 to D187
Main cpu system setting	Fixed	Z001 to Z010

### 3.2.3 SETTINGS OF FACTORY SHIPMENT

#### 3.2.3.1 BUTTON OPERATION

Setting item	Setting position
POWER	Off
CHANNEL	PR1
VOLUME	10
TV/AV	TV

#### 3.2.3.3 REMOTE CONTROL MENU OPERATION

##### (1) PICTURE

Setting item	Setting position
PICTURE MODE	BRIGHT
COLOUR TEMP.	COOL
<b>FEATURES</b>	
DIGITAL VNR	AUTO (LOW)
Super DigiPure	AUTO
MOVIE THEATRE	AUTO
COLOUR MANAGEMENT	ON
PICTURE MANAGEMENT	ON
COLOUR SYSTEM	TV Depends on PR/CH
	EXT AUTO
4:3 AUTO ASPECT	PANORAMIC

##### (2) SOUND

Setting item	Setting position
STEREO / I•II	Stereo sound
BASS	Centre
TREBLE	Centre
BALANCE	Centre
3D SOUND	OFF
A.H.B.	ON
BBE	ON

#### 3.2.3.2 REMOTE CONTROL DIRECT OPERATION

Setting item	Setting position
CHANNEL	PR1
VOLUME	10
ZOOM	PANORAMIC
3D SOUND	OFF

##### (4) FEATURES

Setting item	Setting position
SLEEP TIMER	OFF
CHILD LOCK	ID NO.0000, All CH off
APPEARANCE	TYPE D
BLUE BACK	ON

##### (5) SET UP

Setting item	Setting position
AUTO PROGRAM	TV channel automatically set
EDIT/MANUAL	PRESET CH only
LANGUAGE	ENGLISH
DECODER (EXT-2)	OFF
COMPONENT AUTO SELECT	ON
<b>EXT SETTING</b>	
S-IN	BLANK
ID	BLANK
DUBBING	EXT-1 → EXT-2

### 3.3 REPLACEMENT OF CHIP COMPONENT

#### 3.3.1 CAUTIONS

- (1) Avoid heating for more than 3 seconds.
- (2) Do not rub the electrodes and the resist parts of the pattern.
- (3) When removing a chip part, melt the solder adequately.
- (4) Do not reuse a chip part after removing it.

#### 3.3.2 SOLDERING IRON

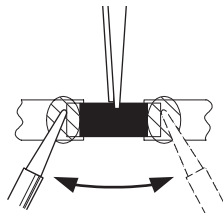
- (1) Use a high insulation soldering iron with a thin pointed end of it.
- (2) A 30w soldering iron is recommended for easily removing parts.

#### 3.3.3 REPLACEMENT STEPS

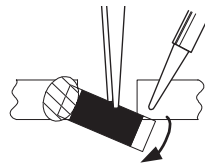
##### 1. How to remove Chip parts

[Resistors, capacitors, etc.]

- (1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.



- (2) Shift with the tweezers and remove the chip part.

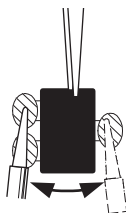


[Transistors, diodes, variable resistors, etc.]

- (1) Apply extra solder to each lead.



- (2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.



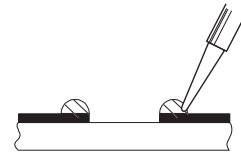
#### NOTE :

After removing the part, remove remaining solder from the pattern.

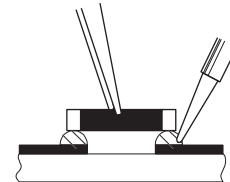
##### 2. How to install Chip parts

[Resistors, capacitors, etc.]

- (1) Apply solder to the pattern as indicated in the figure.

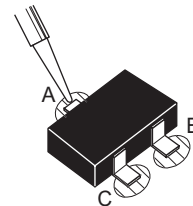


- (2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

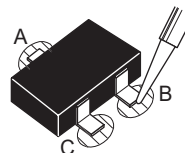


[Transistors, diodes, variable resistors, etc.]

- (1) Apply solder to the pattern as indicated in the figure.
- (2) Grasp the chip part with tweezers and place it on the solder.
- (3) First solder lead **A** as indicated in the figure.



- (4) Then solder leads **B** and **C**.



## SECTION 4 ADJUSTMENT

### 4.1 ADJUSTMENT PREPARATION

- (1) There are 2 ways of adjusting this TV : One is with the **REMOTE CONTROL UNIT** and the other is the conventional method using adjustment parts and components.
- (2) The adjustment using the **REMOTE CONTROL UNIT** is made on the basis of the initial setting values. The setting values which adjust the screen to the optimum condition can be different from the initial setting values.
- (3) Make sure that connection is correctly made AC to AC power source.
- (4) Turn on the power of the TV and measuring instruments for warning up for at least 30 minutes before starting adjustments.
- (5) If the receive or input signal is not specified, use the most appropriate signal for adjustment.
- (6) Never touch the parts (such as variable resistors, transformers and condensers) not shown in the adjustment items of this service adjustment.

### 4.2 PRESET SETTING BEFORE ADJUSTMENTS

Unless otherwise specified in the adjustment items, preset the following functions with the REMOTE CONTROL UNIT.

Setting item	Settings position
PICTURE MODE	STANDARD
PICTURE adjustments	Centre
COLOUR TEMP.	NORMAL
DIGITAL VNR	MIN
Super DigiPure	AUTO
MOVIE THEATRE	AUTO
COLOUR MANAGEMENT	ON
PICTURE MANAGEMENT	ON
SOUND adjustments	Centre
BBE	OFF
3D SOUND	OFF
A.H.B	OFF
ZOOM	FULL

### 4.3 MEASURING INSTRUMENT AND FIXTURES

- Oscilloscope
- Signal generator (Pattern generator)  
[PAL / 625i / 625p / 1125i(50Hz)]
- Remote control unit

### 4.4 ADJUSTMENT ITEMS

#### ■ VIDEO CIRCUIT

- 625i A-D OFFSET adjustment
- 1125i(50Hz) BRIGHTNESS adjustment
- 1125i(50Hz) A-D OFFSET adjustment
- SUB SCREEN A-D OFFSET adjustment
- WHITE BALANCE (HIGH LIGHT) adjustment

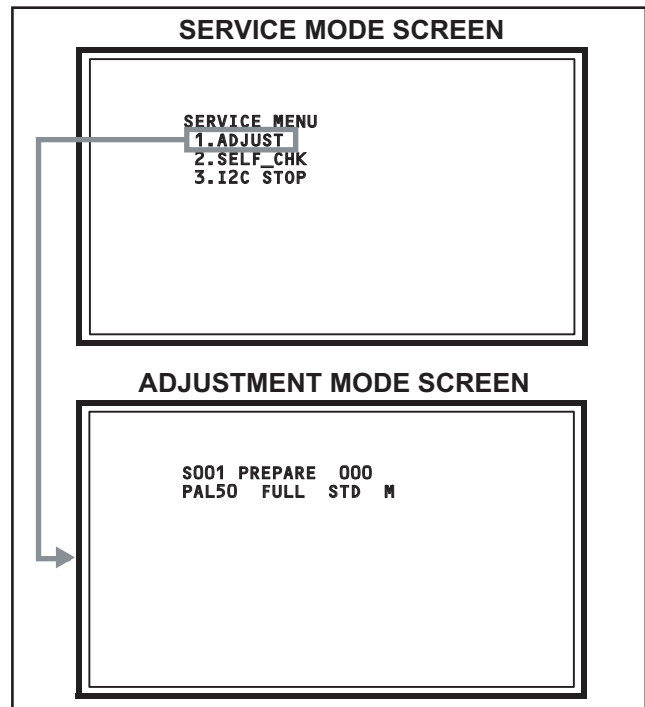
### 4.5 BASIC OPERATION OF SERVICE MODE

#### 4.5.1 HOW TO ENTER THE SERVICE MODE

- (1) Press [INFORMATION] key and [MUTING] key on the remote control unit simultaneously to enter the SERVICE MODE SCREEN.
- (2) In the SERVICE MENU, press the [1] key to display ADJUSTMENT MODE SCREEN.

#### NOTE:

- Before entering the SERVICE MODE, confirm that the setting of VCR/TV/DVD switch is at the "TV" side. If the switches have not been properly set, you cannot enter the SERVICE MODE.
- When a number key other than the [1] to [3] key is pressed in the SERVICE MODE SCREEN, the other relevant screen may be displayed.  
This is not used in the adjustment procedure. Press the [MENU] key to return to the SERVICE MODE SCREEN.

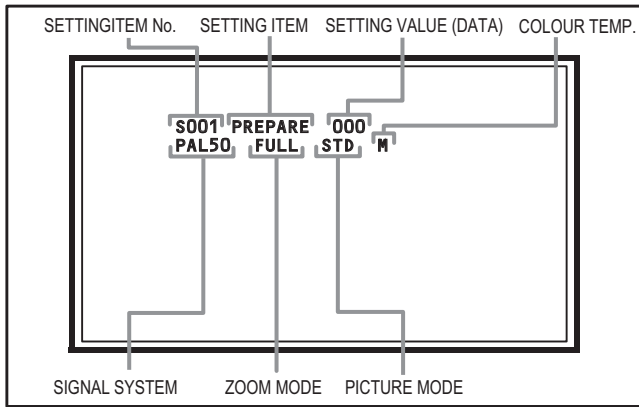


#### 4.5.2 HOW TO EXIT THE SERVICE MODE

Press the [MENU] key to exit the Service mode.



#### 4.5.3 DESCRIPTION OF STATUS DISPLAY



##### (1) SIGNAL SYSTEM

The signal displayed on the screen is displayed.

- PAL50 : PAL50Hz (Composite / S-video)
- PAL60 : PAL60Hz (Composite / S-video)
- SECAM : SECAM
- NTSC3 : NTSC3.58
- NTSC4 : NTSC4.43
- 525I : 525i (Component)
- 525P : 525p
- 625I : 625i (Component)
- 625P : 625p
- 1125I5 : 1125i 50Hz
- 1125I6 : 1125i 60Hz
- PCVGA : PC (VGA)

##### (2) ZOOM MODE

State of the SCREEN SIZE or MULTI PICTURE is displayed.

###### SINGLE SCREEN

- FULL : FULL
- PANO : PANORAMIC
- 1609 : 16:9 ZOOM
- 1609S : 16:9 ZOOM SUBTITLE
- 1409 : 14:9 ZOOM
- REGU : REGULAR

###### MULTI SCREEN

- FRZ : Freeze
- M2 : 2-pictures multi
- M12 : 12-pictures multi

##### (3) PICTURE MODE

- STD : STANDARD
- BRI : BRIGHT
- SOFT : SOFT

##### (4) COLOUR TEMP.

- L : WARM
- H : NORMAL, COOL

##### (5) SETTING ITEM NAME

Setting item name are displayed. The setting item numbers to be displayed are listed below.

Item No.	Setting item
S001 to S039	Video system setting
T001 to T010	Audio system setting
P001 to P010	Panel control system setting
D001 to D187	Drive system setting
Z001 to Z010	Main CPU system setting

##### (6) SETTING ITEM NO.

Setting item numbers are displayed. For the setting item names to be displayed, refer to "INITIAL SETTING VALUES IN THE SERVICE MODE".

##### (7) SETTING VALUE (DATA)

The SETTING VALUE is displayed.

#### 4.5.4 CHANGE AND MEMORY OF SETTING VALUE

##### SELECTION OF SETTING ITEM

- [FUNCTION ▲ / ▼] key.
- For scrolling up / down the setting items.

S001... ↔ T001... ↔ P001... ↔ D001... ↔ Z001...

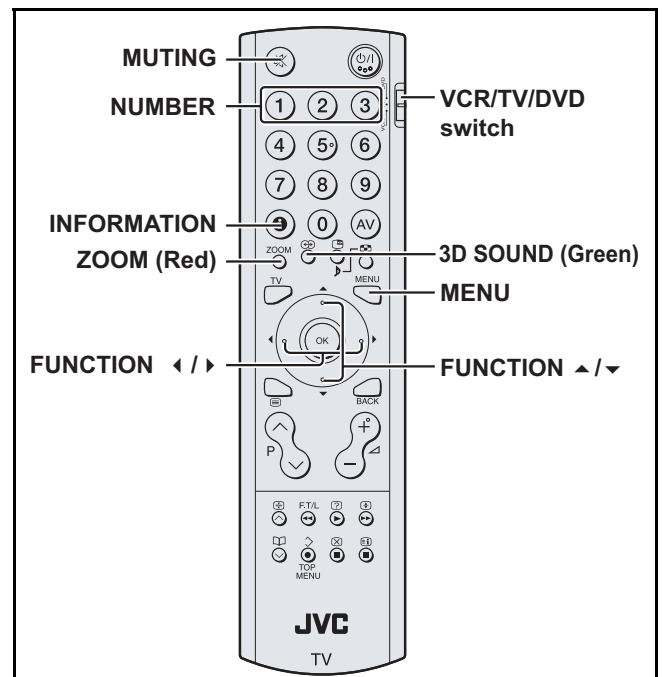
##### CHANGE OF SETTING VALUE (DATA)

- [FUNCTION ◀ / ▶] key.
- For scrolling up / down the setting values.

##### MEMORY OF SETTING VALUE (DATA)

Changed setting value is memorized by pressing [MUTING] key.

#### 4.5.5 SERVICE MODE SELECT KEY LOCATION



## 4.6 INITIAL SETTING VALUES IN THE SERVICE MODE

- Perform fine-tuning based on the "initial values" using the remote control when in the Service mode.
- The "initial values" serve only as an indication rough standard and therefore the values with which optimal display can be achieved may be different from the default values. But, don't change the values that are not written in "ADJUSTMENT PROCEDURE". They are fixed values.

### 4.6.1 VIDEO SYSTEM SETTING

Item No.	Item name	Variable range	Setting value		
			PAL	SECAM	NTSC
S001	PREPARE	0 to 31	0	0	0
S002	NTSC BL	0 to 15	0	0	0
S003	NTSC CNT	0 to 255	36	36	36
S004	NT CR OF	0 to 15	6	6	6
S005	NT CB OF	0 to 15	6	6	6
S006	525i BL	0 to 15	0	0	0
S007	525i CNT	0 to 255	36	36	36
S008	5i CB OF	0 to 15	0	0	0
S009	5i CR OF	0 to 15	0	0	0
S010	5i CR GN	0 to 15	6	6	6
S011	5i CB GN	0 to 15	6	6	6
S012	HD BL	0 to 63	57	57	57
S013	HD CB OF	0 to 63	58	58	58
S014	HD CR OF	0 to 63	60	60	60
S015	RT CONT	0 to 15	7	7	7
S016	RT CB OF	0 to 15	4	4	4
S017	RT CR OF	0 to 15	8	8	8
S018	RT CL GA	0 to 15	12	12	12
S019	PC CL MB	0 to 7	0	0	0
S020	PC CL LB	0 to 31	0	0	0
S021	PC CL MR	0 to 71	0	0	0
S022	PC CL LR	0 to 31	0	0	0
S023	(Not display)	0 to 255	0	0	0
S024	(Not display)	0 to 255	0	0	0
S025	(Not display)	0 to 255	0	0	0
S026	(Not display)	0 to 255	0	0	0
S027	(Not display)	0 to 255	0	0	0
S028	(Not display)	0 to 255	0	0	0
S029	(Not display)	0 to 255	0	0	0
S030	R DRIVE	0 to 255	147	147	147
S031	G DRIVE	0 to 255	133	133	133
S032	B DRIVE	0 to 255	110	110	110
S033	(Not display)	0 to 255	0	0	0
S034	(Not display)	0 to 255	0	0	0
S035	(Not display)	0 to 255	0	0	0
S036	(Not display)	0 to 255	0	0	0
S037	(Not display)	0 to 255	0	0	0
S038	(Not display)	0 to 255	0	0	0
S039	ILA COM	0 to 1	0	0	0

### 4.6.2 AUDIO SYSTEM SETTING (\*Fixed values)

Item No.	Item name	Variable range	Setting value		
			PAL	SECAM	NTSC
T001	IN LEVEL	0 to 255	0	0	0
T002	LOW SEP	0 to 255	0	0	0
T003	HIGH SEP	0 to 255	0	0	0
T004	AFC	0 to 255	4	4	4
T005	(Not display)	0 to 255	0	0	0
T006	ATT V ON	0 to 1	0	0	0
T007	ATT U ON	0 to 1	0	0	0
T008	ATT C ON	0 to 1	0	0	0
T009	(Not display)	0 to 255	0	0	0
T010	(Not display)	0 to 255	0	0	0

### 4.6.3 PANEL CONTROL SYSTEM SETTING (\*Fixed values)

Item No.	Item name	Variable range	Setting value		
			PAL	SECAM	NTSC
P001	TM HOR H	00 to FF	00	00	00
P002	TM HOR L	00 to FF	00	00	00
P003	TM MIN	00 to FF	00	00	00
P004	TEMP0	0 to 255	0	0	0
P005	(Not display)	0 to 255	0	0	0
P006	(Not display)	0 to 255	0	0	0
P007	(Not display)	0 to 255	0	0	0
P008	(Not display)	0 to 255	0	0	0
P009	(Not display)	0 to 255	0	0	0
P010	(Not display)	0 to 255	0	0	0

### 4.6.4 DRIVE SYSTEM SETTING (\*Fixed values)

Item No.	Item name	Variable range	Setting value		
			PAL	SECAM	NTSC
D001	SLV GN	00 to 3F	18	18	18
D002	SLVH GN	00 to 3F	13	13	13
D003	SLH GN	00 to 3F	1A	1A	1A
D004	SLV Pf	00 to 03	01	01	01
D005	SLH Pf H	00 to 01	00	00	00
D006	SLH Pf L	00 to 03	02	02	02
D007	SL EGCON	00 to 3F	00	00	00
D008	SL EGONF	00 to 01	01	01	01
D009	SL CRGON	00 to 3F	04	04	04
D010	SL CRGON	00 to 01	01	01	01
D011	SL ON OF	00 to 01	01	01	01
D012	SV GN	00 to 3F	29	29	29
D013	SVH GN	00 to 3F	1F	1F	1F
D014	SH GN	00 to 3F	2E	2E	2E
D015	SV Pf	00 to 03	01	01	01
D016	SV PfH	00 to 01	01	01	01

Item No.	Item name	Variable range	Setting value		
			PAL	SECAM	NTSC
D017	SV Pfl	00 to 03	02	02	02
D018	SYL CON	00 to 3F	30	30	30
D019	SYL CONF	00 to 01	01	01	01
D020	SYH CON	00 to 3F	00	00	00
D021	SYH CONF	00 to 01	01	01	01
D022	SC CON	00 to 3F	1A	1A	1A
D023	SC CNONF	00 to 01	01	01	01
D024	SPM BLC	00 to 3F	04	04	04
D025	SPM BLCO	00 to 01	01	01	01
D026	SLIM	00 to 3F	28	28	28
D027	SLIMONF	00 to 01	01	01	01
D028	SCRG	00 to 3F	10	10	10
D029	SRGONF	00 to 01	01	01	01
D030	S ONF	00 to 01	01	01	01
D031	pb GN	00 to 3F	15	15	15
D032	pb PflH	00 to 01	01	01	01
D033	pb Pfl	00 to 03	00	00	00
D034	pb CRG	00 to 3F	04	04	04
D035	pb CRGON	00 to 01	01	01	01
D036	pb ONF	00 to 01	01	01	01
D037	pr GN	00 to 3F	15	15	15
D038	pr PflH	00 to 01	01	01	01
D039	pr Pfl	00 to 03	00	00	00
D040	pr CRG	00 to 3F	05	05	05
D041	pr CRGON	00 to 01	01	01	01
D042	pr ONF	00 to 01	01	01	01
D043	ENH ONF	00 to 01	01	01	01
D044	(Not display)	00 to FF	00	00	00
D045	(Not display)	00 to FF	00	00	00
D046	(Not display)	00 to FF	00	00	00
D047	(Not display)	00 to FF	00	00	00
D048	(Not display)	00 to FF	00	00	00
D049	(Not display)	00 to FF	00	00	00
D050	(Not display)	00 to FF	00	00	00
D051	(Not display)	00 to FF	00	00	00
D052	(Not display)	00 to FF	00	00	00
D053	(Not display)	00 to FF	00	00	00
D054	(Not display)	00 to FF	00	00	00
D055	(Not display)	00 to FF	00	00	00
D056	(Not display)	00 to FF	00	00	00
D057	(Not display)	00 to FF	00	00	00
D058	(Not display)	00 to FF	00	00	00
D059	(Not display)	00 to FF	00	00	00
D060	(Not display)	00 to FF	00	00	00
D061	(Not display)	00 to FF	00	00	00
D062	(Not display)	00 to FF	00	00	00
D063	(Not display)	00 to FF	00	00	00
D064	(Not display)	00 to FF	00	00	00
D065	(Not display)	00 to FF	00	00	00

Item No.	Item name	Variable range	Setting value		
			PAL	SECAM	NTSC
D066	(Not display)	00 to FF	00	00	00
D067	(Not display)	00 to FF	00	00	00
D068	(Not display)	00 to FF	00	00	00
D069	(Not display)	00 to FF	00	00	00
D070	(Not display)	00 to FF	00	00	00
D071	(Not display)	00 to FF	00	00	00
D072	(Not display)	00 to FF	00	00	00
D073	(Not display)	00 to FF	00	00	00
D074	(Not display)	00 to FF	00	00	00
D075	(Not display)	00 to FF	00	00	00
D076	(Not display)	00 to FF	00	00	00
D077	(Not display)	00 to FF	00	00	00
D078	(Not display)	00 to FF	00	00	00
D079	(Not display)	00 to FF	00	00	00
D080	(Not display)	00 to FF	00	00	00
D081	(Not display)	00 to FF	00	00	00
D082	(Not display)	00 to FF	00	00	00
D083	(Not display)	00 to FF	00	00	00
D084	(Not display)	00 to FF	00	00	00
D085	(Not display)	00 to FF	00	00	00
D086	(Not display)	00 to FF	00	00	00
D087	(Not display)	00 to FF	00	00	00
D088	(Not display)	00 to FF	00	00	00
D089	(Not display)	00 to FF	00	00	00
D090	(Not display)	00 to FF	00	00	00
D091	(Not display)	00 to FF	00	00	00
D092	(Not display)	00 to FF	00	00	00
D093	(Not display)	00 to FF	00	00	00
D094	(Not display)	00 to FF	00	00	00
D095	(Not display)	00 to FF	00	00	00
D096	(Not display)	00 to FF	00	00	00
D097	(Not display)	00 to FF	00	00	00
D098	(Not display)	00 to FF	00	00	00
D099	(Not display)	00 to FF	00	00	00
D100	(Not display)	00 to FF	00	00	00
D101	(Not display)	00 to FF	00	00	00
D102	(Not display)	00 to FF	00	00	00
D103	(Not display)	00 to FF	00	00	00
D104	(Not display)	00 to FF	00	00	00
D105	(Not display)	00 to FF	00	00	00
D106	(Not display)	00 to FF	00	00	00
D107	(Not display)	00 to FF	00	00	00
D108	(Not display)	00 to FF	00	00	00
D109	(Not display)	00 to FF	00	00	00
D110	(Not display)	00 to FF	00	00	00
D111	(Not display)	00 to FF	00	00	00
D112	(Not display)	00 to FF	00	00	00
D113	(Not display)	00 to FF	00	00	00
D114	(Not display)	00 to FF	00	00	00

Item No.	Item name	Variable range	Setting value		
			PAL	SECAM	NTSC
D115	(Not display)	00 to FF	00	00	00
D116	(Not display)	00 to FF	00	00	00
D117	(Not display)	00 to FF	00	00	00
D118	(Not display)	00 to FF	00	00	00
D119	(Not display)	00 to FF	00	00	00
D120	(Not display)	00 to FF	00	00	00
D121	(Not display)	00 to FF	00	00	00
D122	(Not display)	00 to FF	00	00	00
D123	(Not display)	00 to FF	00	00	00
D124	(Not display)	00 to FF	00	00	00
D125	(Not display)	00 to FF	00	00	00
D126	(Not display)	00 to FF	00	00	00
D127	(Not display)	00 to FF	00	00	00
D128	(Not display)	00 to FF	00	00	00
D129	(Not display)	00 to FF	00	00	00
D130	(Not display)	00 to FF	00	00	00
D131	(Not display)	00 to FF	00	00	00
D132	(Not display)	00 to FF	00	00	00
D133	(Not display)	00 to FF	00	00	00
D134	(Not display)	00 to FF	00	00	00
D135	(Not display)	00 to FF	00	00	00
D136	(Not display)	00 to FF	00	00	00
D137	(Not display)	00 to FF	00	00	00
D138	(Not display)	00 to FF	00	00	00
D139	(Not display)	00 to FF	00	00	00
D140	(Not display)	00 to FF	00	00	00
D141	(Not display)	00 to FF	00	00	00
D142	(Not display)	00 to FF	00	00	00
D143	(Not display)	00 to FF	00	00	00
D144	(Not display)	00 to FF	00	00	00
D145	(Not display)	00 to FF	00	00	00
D146	(Not display)	00 to FF	00	00	00
D147	(Not display)	00 to FF	00	00	00
D148	(Not display)	00 to FF	00	00	00
D149	(Not display)	00 to FF	00	00	00
D150	(Not display)	00 to FF	00	00	00
D151	(Not display)	00 to FF	00	00	00
D152	(Not display)	00 to FF	00	00	00
D153	(Not display)	00 to FF	00	00	00
D154	(Not display)	00 to FF	00	00	00
D155	(Not display)	00 to FF	00	00	00
D156	(Not display)	00 to FF	00	00	00
D157	(Not display)	00 to FF	00	00	00
D158	(Not display)	00 to FF	00	00	00
D159	(Not display)	00 to FF	00	00	00
D160	(Not display)	00 to FF	00	00	00
D161	(Not display)	00 to FF	00	00	00
D162	(Not display)	00 to FF	00	00	00
D163	(Not display)	00 to FF	00	00	00

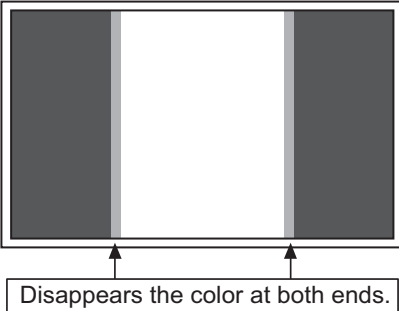
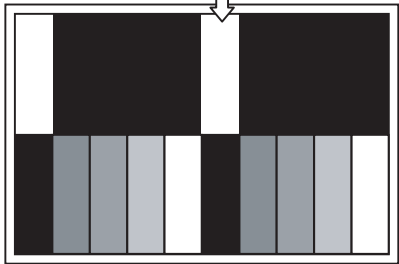
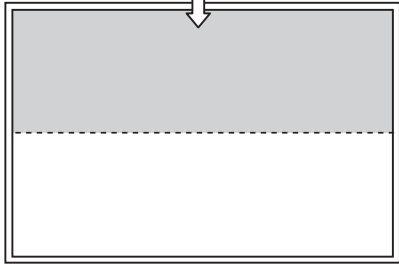
Item No.	Item name	Variable range	Setting value		
			PAL	SECAM	NTSC
D164	(Not display)	00 to FF	00	00	00
D165	(Not display)	00 to FF	00	00	00
D166	(Not display)	00 to FF	00	00	00
D167	(Not display)	00 to FF	00	00	00
D168	(Not display)	00 to FF	00	00	00
D169	(Not display)	00 to FF	00	00	00
D170	(Not display)	00 to FF	00	00	00
D171	(Not display)	00 to FF	00	00	00
D172	(Not display)	00 to FF	00	00	00
D173	(Not display)	00 to FF	00	00	00
D174	(Not display)	00 to FF	00	00	00
D175	(Not display)	00 to FF	00	00	00
D176	(Not display)	00 to FF	00	00	00
D177	(Not display)	00 to FF	00	00	00
D178	(Not display)	00 to FF	00	00	00
D179	(Not display)	00 to FF	00	00	00
D180	(Not display)	00 to FF	00	00	00
D181	(Not display)	00 to FF	00	00	00
D182	(Not display)	00 to FF	00	00	00
D183	(Not display)	00 to FF	00	00	00
D184	(Not display)	00 to FF	00	00	00
D185	(Not display)	00 to FF	00	00	00
D186	(Not display)	00 to FF	00	00	00
D187	(Not display)	00 to FF	00	00	00

#### 4.6.5 MAIN CPU SYTEM SETTING (\*Fixed values)

Item No.	Item name	Variable range	Setting value		
			PAL	SECAM	NTSC
Z001	(Not display)	00 to FF	00	00	00
Z002	(Not display)	00 to FF	00	00	00
Z003	(Not display)	00 to FF	00	00	00
Z004	(Not display)	00 to FF	00	00	00
Z005	(Not display)	00 to FF	00	00	00
Z006	(Not display)	00 to FF	00	00	00
Z007	(Not display)	00 to FF	00	00	00
Z008	(Not display)	00 to FF	00	00	00
Z009	(Not display)	00 to FF	00	00	00
Z010	(Not display)	00 to FF	00	00	00

## 4.7 ADJUSTMENT PROCEDURE

### 4.7.1 VIDEO CIRCUIT

Item	Measuring instrument	Test point	Adjustment part	Description
<b>625i A-D OFFSET</b>	Remote control unit		[1.ADJUST] S001: PREPARE (Adjustment setting mode change)	(1) Receive a 625i component ramp pattern signal. (2) Set "PICTURE MODE" to STANDARD. (3) Set "ZOOM" to FULL. (4) Set "COLOUR TEMP." to NORMAL. (5) Select "1.ADJUST" from the SERVICE MODE. (6) Set < S030 > (R DRIVE), < S031> (G DRIVE) and < S032 > (B DRIVE) to "133". (7) Set < S001 >(adjustment setting mode change) to set "8" and it change to the 625i A-D offset adjustment setting mode. (8) Adjust < S008 > (625i Cb offset) and < S009 > (625i Cr offset) to lose the gap (red line, green line and blue line) which appears at both ends of a white part at the centre of the screen. (9) Set < S001 > to set "000" and it change to the normal mode. (10) Press the [MUTING] key to memoirize the set value.
	Signal generator		S008: 5i CB OF(625i cb offset) S009: 5i CR OF(625i cr offset)  S030: R DRIVE(Red drive) S031: G DRIVE(Green drive) S032: B DRIVE(Blue drive)	
				
<b>1125i (50Hz) BRIGHTNESS</b>	Remote control unit		[1.ADJUST] S001: PREPARE (Adjustment setting mode change)	(1) Receive a 1125i (50Hz) gray scale pattern signal. (2) Set "PICTURE MODE" to STANDARD. (3) Set "ZOOM" to FULL. (4) Set "COLOUR TEMP." to NORMAL. (5) Select "1.ADJUST" from the SERVICE MODE. (6) Set < S030 > (R DRIVE), < S031> (G DRIVE) and < S032 > (B DRIVE) to "133". (7) Set < S001 > (adjustment setting mode change) to set the values "12" and it change to the 1125i black level adjustment setting mode. (8) Adjust < S012 > (1125i brightness) to set the 0% black part in the upper half of the screen to be brightest. (9) Set < S001 > to set "000" and it change to the normal mode. (10) Press the [MUTING] key to memoirize the set value.
	Signal generator		S012: HD BL(1125i brightness)  S030: R DRIVE(Red drive) S031: G DRIVE(Green drive) S032: B DRIVE(Blue drive)	
Set the 0% black part to be brightest. 				
<b>1125i (50Hz) A-D OFFSET</b>	Remote control unit		[1.ADJUST] S001: PREPARE (Adjustment setting mode change)	(1) Receive a 1125i (50Hz) 30% all white pattern signal. (2) Set "PICTURE MODE" to STANDARD. (3) Set "ZOOM" to FULL. (4) Set "COLOUR TEMP." to NORMAL. (5) Select "1.ADJUST" from the SERVICE MODE. (6) Set < S030 > (R DRIVE), < S031> (G DRIVE) and < S032 > (B DRIVE) to "133". (7) Set < S001 > (adjustment setting mode change) to set "13" and it change to the 1125i A-D offset adjustment setting mode. (8) Adjust < S013 > (1125i Cb offset) to minimize the blue noise in the upper half of the screen. (9) Adjust < S014 > (1125i Cr offset) to minimize the blue noise in the upper half of the screen. (10) Set < S001 > to set "000" and it change to the normal mode. (11) Press the [MUTING] key to memoirize the set value.
	Signal generator		S013: HD CB OF(1125i cb offset) S014: HD CR OF(1125i cr offset)  S030: R DRIVE(Red drive) S031: G DRIVE(Green drive) S032: B DRIVE(Blue drive)	
Minimize the red and blue noises in the upper half of the screen. 				

Item	Measuring instrument	Test point	Adjustment part	Description
<b>SUB SCREEN A-D OFFSET</b>	Remote control unit		[1.ADJUST] S001: PREPARE (Adjustment setting mode change)	(1) Set "PICTURE MODE" to STANDARD. (2) Set "ZOOM" to FULL. (3) Set "COLOUR TEMP." to NORMAL. (4) Set "MULTI SCREEN" to 2 pictures. (5) Receive a PAL 30% all white pattern signal on the Right screen. At the same time, set the Left screen in VIDEO-1 mode (No signal). (6) Select "1.ADJUST" from the SERVICE MODE. (7) Set < S030 > (R DRIVE), < S031 > (G DRIVE) and < S032 > (B DRIVE) to "133". (8) Set < S001 > (adjustment setting mode change) to set "17" and it change to the sub screen A-D offset adjustment setting mode. (9) Adjust < S016 > (Sub screen cb offset) to minimize the blue noise in the upper half of the screen. <b>If you select an adjustment item &lt; S016 &gt;, then the screen automatically turn to twin pictures mode.</b> (10) Set < S017 > (Sub screen cr offset) to minimize the red noise in the upper half of the screen. (11) Readjust < S016 > and < S017 > to set the upper half of the screen to be the blackest. (See Fig.9) (12) Set < S001 > to set "000" and it change to the normal mode. (13) Press the [MUTING] key to memoirize the set value.
	Signal generator	Set the 0% block part to be brightest. 	S016: RT CB OF (Sub screen cb offset) S017: RT CR OF (Sub screen cr offset)  S030: R DRIVE(Red drive) S031: G DRIVE(Green drive) S032: B DRIVE(Blue drive)	
<b>WHITE BALANCE (HIGHLIGHT)</b>	Remote control unit		[1.ADJUST] S030: R DRIVE (Red drive) S031: G DRIVE (Green drive) S032: B DRIVE (Blue drive)	(1) Receive a PAL 75% all white signal. (2) Set "PICTURE MODE" to STANDARD. (3) Set "ZOOM" to FULL. (4) Set "COLOUR TEMP." to NORMAL. (5) Select "1.ADJUST" from the SERVICE MODE. (6) Adjust to keep one of < S030 > (Red drive), < S031 > (Green drive) or < S032 > (Blue drive) unchanged, then lower the other two so that the all-white screen is equally white throughout.  <b>NOTE:</b> Set one or more of < S030 >, < S031 >, and < S032 > to "85". (7) Check that white balance is properly tracked from low light to high light. If the white balance tracking is deviated, adjust to correct it. (8) Press the [MUTING] key to memoirize the set value.

## SECTION 5 TROUBLESHOOTING

### 5.1 SELF CHECK FEATURE

#### 5.1.1 OUTLINE

This unit comes with the "Self check" feature, which checks the operational state of the circuit and displays/saves it during failure. Diagnosis is performed when power is turned on, and information input to the main microcomputer is monitored at all time. Diagnosis is displayed in 2 ways via screen display and LED flashes. Failure detection is based on input state of I<sup>2</sup>C bus and the various control lines connected to the main microcomputer.

#### 5.1.2 HOW TO ENTER THE SELF CHECK MODE

Before entering the SERVICE MODE, confirm that the setting of VCR/TV/ DVD switch is at the "TV" side. If the switches have not been properly set, you cannot enter the SERVICE MODE.

- (1) Press the [INFORMATION] key and [MUTING] key simultaneously, then enter the SERVICE MODE.
- (2) Press the [2] key SELF CHECK MODE.
- (3) Press the [RED (ZOOM)] key to enter Page 2 of the SELF CHECK MODE.

\*Use the [GREEN (3D SOUND)] key to toggle between Page 1 and Page 2.

#### NOTE:

When a number key other than the [1] to [3] key is pressed in the SERVICE MODE screen, the other relevant screen may be displayed.

This is not used in the adjustment procedure. Press the [MENU] key to return to the MAIN MENU SCREEN.

#### 5.1.3 HOW TO EXIT THE SELF CHECK MODE

##### To Save Failure History:

Turn off the power by unplugging the AC power cord plug when in the Self check display mode.

##### To Clear (Reset) Failure History:

Turn off the power by pressing the [POWER] key on the remote control unit when in the Self check display mode.

#### 5.1.4 FAILURE HISTORY

Failure history can be counted up to 9 times for each item. When the number exceeds 9, display will remain as 9. Failure history will be stored in the memory unless it has been deleted.

#### NOTE:

Only SYNC (with/without sync signals) will be neither counted nor stored.

#### 5.1.5 POINTS TO NOTE WHEN USING THE SELF CHECK FEATURE

In addition to circuit failures (abnormal operation), the following cases may also be diagnosed as "Abnormal" and displayed and counted as "NG".

- (1) Temporary defective transmissions across circuits due to pulse interruptions
- (2) Misalignment in the on/off timing of power for I<sup>2</sup>C bus (VCC) when turning on/off the main power.

Diagnosis may be impeded if a large number of items are displayed as "NG". As such, start Self check check only after 3 seconds in the case of receivers and 5 seconds in the case of panels upon turning on the power. If recurrences are expected, ensure to clear (reset) the failure history and record the new diagnosis results.

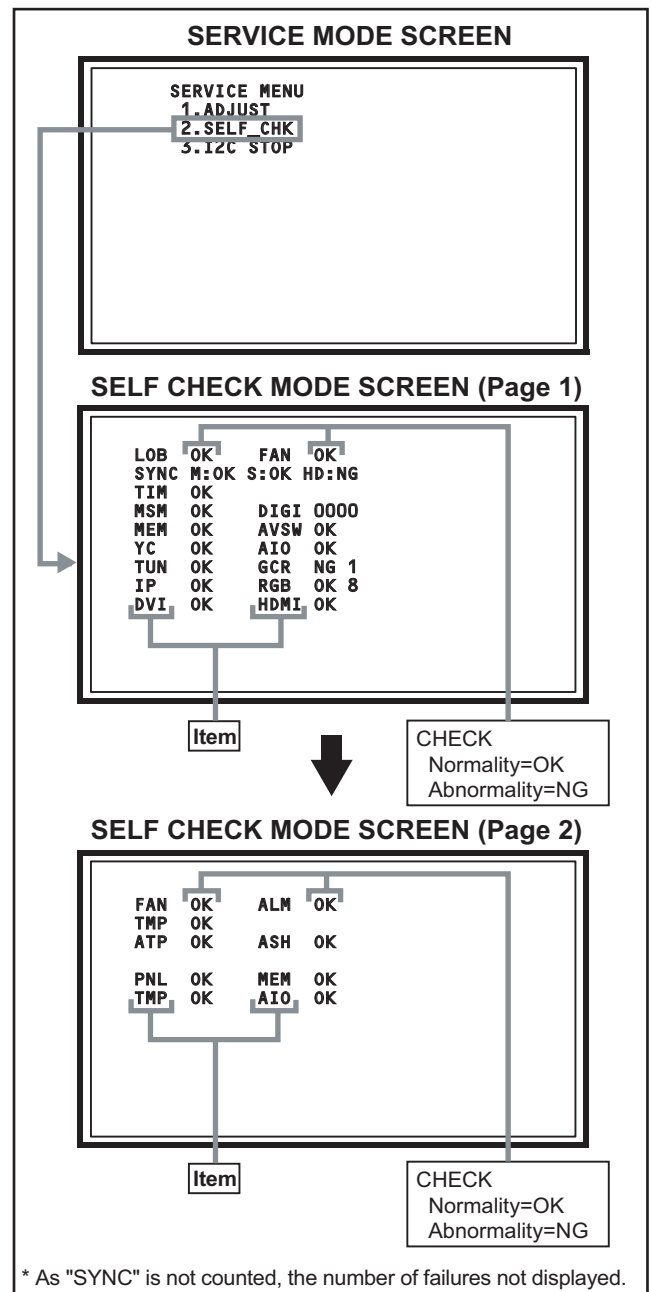


Fig.1

### 5.1.6 DETAILS

Self check is performed for the following items:

< Page 1 of screen >

Detection item	Display	Detection content	Diagnosis signal (line)	Detection timing
Low bias line short protection	LOB	Confirmation of operation of the low bias (2.5V / 3.3V / 5V / 9V) protection circuit. <b>Q9822 [REGULATOR PWB]</b>	LB_PRO	Detection starts 3 seconds after the power is turned on. If error continues between 400ms the power is turned off.
Abnormal rise of temperature in audio circuit	FAN	Confirmation of the temperature of audio circuit. <b>TH6661 [ANALOG SIGNAL PWB]</b>	SDA	Detection starts 3 seconds after the power is turned on. If the temperature of 90°C is detected for 3 seconds the power is turned off.
Presence of sync signal	SYNC	Confirmation of presence of video sync signal. M : Main sync signal S : Sub sync signal HD : Component sync signal <b>IC201 [ANALOG SIGNAL PWB]</b>	SDA	Confirmation of presence of sync signal in video signal.
AC power input	TIM	Not used.	---	---
Main CPU communication	MSM	Not used.	---	---
Digital tuner	DIGI	Not used.	---	---
Main memory	MEM	Confirmation of reply of ACK signal which uses I <sup>2</sup> C communication. <b>IC7602 [DIGITAL SIGNAL PWB]</b>	SDA	If it checks whenever I <sup>2</sup> C communication is performed and no reply of ACK signal an error will be counted.
AV select switch	AVSW	Same as above. <b>IC301, IC501 [ANALOG SIGNAL PWB]</b>	SDA	Same as above.
3 dimensions YC separator	YC	Not used.	---	---
Multi sound processor	AIO	Not used.	---	---
RF tuner	TUN	Confirmation of reply of ACK signal which uses I <sup>2</sup> C communication. <b>TU3001 [RECEIVER PWB]</b>	SDA	If it checks whenever I <sup>2</sup> C communication is performed and no reply of ACK signal an error will be counted.
Ghost reduction	GCR	Not used.	---	---
DIST process	IP	Confirmation of reply of ACK signal which uses I <sup>2</sup> C communication. <b>IC3001 [DIGITAL SIGNAL PWB]</b>	SDA	If it checks whenever I <sup>2</sup> C communication is performed and no reply of ACK signal an error will be counted.
RGB process	RGB	Confirmation of reply of ACK signal which uses I <sup>2</sup> C communication. <b>IC3001 [DIGITAL SIGNAL PWB]</b>	SDA	If it checks whenever I <sup>2</sup> C communication is performed and no reply of ACK signal an error will be counted.
DVI (Digital communication)	DVI	Not used.	---	---
Digital input	HDMI	Not used.	---	---



Detection item	Display	Detection content	Diagnosis signal (line)	Detection timing
Fan lock	FAN	Not used.	---	---
Abnormal of operation of PANEL	ALM	Not used.	---	---
Abnormal rise of temperature in PANEL	TMP	Not used.	---	---
Abnormal rise of temperature in audio circuit	ATP	Not used.	---	---
Short circuit detection of audio circuit	ASH	Not used.	---	---
Panel communication	PNL	Not used.	---	---
Sub memory	MEM	Not used.	---	---
Temp. sensor	TMP	Not used.	---	---
Audio control	AIO	Confirmation of reply of ACK signal which uses I <sup>2</sup> C communication. <b>IC6521 [ANALOG SIGNAL PWB]</b>	SDA	If it checks whenever I <sup>2</sup> C communication is performed and no reply of ACK signal an error will be counted.

#### 5.1.7 METHOD OF DISPLAY WHEN A RASTER IS NOT OUTPUT

In the state where a raster is not output by breakdown of the set, an error is displayed by blink of the POWER LED.

TYPE of error	POWER LED flash cycle
Low bias line short protection	Low luminance blue turnig on and off at 1 second intervals.
Abnormal rise of temperature in audio circuit	High luminance blue turnig on and off at 0.1 second intervals.

#### < Explanation of operation >

If error is detected, the power is turned off.

Shortly after a power is turned off, POWER LED will be blinked.

Power cannot be turned on until the power cord takes out and inserts, after a power is turned off.



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AV & MULTIMEDIA COMPANY VIDEO DISPLAY CATEGORY 12, 3-chome, Moriya-cho, kanagawa-ku, Yokohama, kanagawa-prefecture, 221-8528, Japan

(No.YA203)



Printed in Japan  
VPT

# JVC

## SCHEMATIC DIAGRAMS

WIDE LCD PANEL TELEVISION

### LT-26C50BU, LT-26C50SU

CD-ROM No.SML200411

BASIC CHASSIS

FL

**D.I.S.T.**  
Digital Image Scaling Technology

InteríArt

**T-V LINK**

**BBE**



# LT-26C50BU, LT-26C50SU

## STANDARD CIRCUIT DIAGRAM

### ■ NOTE ON USING CIRCUIT DIAGRAMS

#### 1.SAFETY

The components identified by the  $\triangle$  symbol and shading are critical for safety. For continued safety replace safety critical components only with manufactures recommended parts.

#### 2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

- (1)Input signal : Colour bar signal
- (2)Setting positions of each knob/button and variable resistor : Original setting position when shipped
- (3)Internal resistance of tester : DC 20k $\Omega$ /V
- (4)Oscilloscope sweeping time : H  $\Rightarrow$  20 $\mu$ s / div  
: V  $\Rightarrow$  5ms / div  
: Others  $\Rightarrow$  Sweeping time is specified
- (5)Voltage values : All DC voltage values

\* Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

#### 3.INDICATION OF PARTS SYMBOL [EXAMPLE]

- In the PW board : R1209  $\rightarrow$  R209

#### 4.INDICATIONS ON THE CIRCUIT DIAGRAM

##### (1)Resistors

###### ● Resistance value

- No unit : [ $\Omega$ ]
- K : [k $\Omega$ ]
- M : [M $\Omega$ ]

###### ● Rated allowable power

- No indication : 1/16 [W]
- Others : As specified

###### ● Type

- No indication : Carbon resistor
- OMR : Oxide metal film resistor
- MFR : Metal film resistor
- MPR : Metal plate resistor
- UNFR : Uninflammable resistor
- FR : Fusible resistor

\* Composition resistor 1/2 [W] is specified as 1/2S or Comp.

##### (2)Capacitors

###### ● Capacitance value

- 1 or higher : [pF]
- less than 1 : [ $\mu$ F]

###### ● Withstand voltage

- No indication : DC50[V]
- Others : DC withstand voltage [V]
- AC indicated : AC withstand voltage [V]

\* Electrolytic Capacitors

47/50[Example]: Capacitance value [ $\mu$ F]/withstand voltage[V]

###### ●Type

- No indication : Ceramic capacitor
- MM : Metalized mylar capacitor
- PP : Polypropylene capacitor
- MPP : Metalized polypropylene capacitor
- MF : Metalized film capacitor
- TF : Thin film capacitor
- BP : Bipolar electrolytic capacitor
- TAN : Tantalum capacitor

##### (3)Coils

- No unit : [ $\mu$ H]
- Others : As specified

##### (4)Power Supply



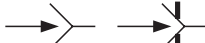
-  : B1
-  : B2 (12V)
-  : 9V
-  : 5V

\* Respective voltage values are indicated





##### (5)Test point

-  : Test point
-  : Only test point display



##### (6)Connecting method

-  : Connector
-  : Wrapping or soldering
-  : Receptacle

##### (7)Ground symbol

-  : LIVE side ground
-  : ISOLATED(NEUTRAL) side ground
-  : EARTH ground
-  : DIGITAL ground

### 5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : () side GND and the ISOLATED(NEUTRAL) : () side GND. Therefore, care must be taken for the following points.

- (1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. if the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.
- (2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus ( oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected, a fuse or any parts will be broken.

◆ Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.

#### NOTE

◆ Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list.

When ordering parts, please use the numbers that appear in the Parts List.

CONTENTS

SEMICONDUCTOR SHAPES .....

2-2

WIRING DIAGRAM .....

2-3

BLOCK DIAGRAM .....

2-5

CIRCUIT DIAGRAMS .....

2-7

RECEIVER PWB CIRCUIT DIAGRAM .....

2-7

ANALOG SIGNAL PWB CIRCUIT DIAGRAM .....

2-9

DIGITAL SIGNAL PWB CIRCUIT DIAGRAM .....

2-19

CONNECTOR PWB CIRCUIT DIAGRAM .....

2-41

FRONT CONTROL PWB CIRCUIT DIAGRAM .....

2-43

FRONT SENSOR PWB CIRCUIT DIAGRAM .....

2-45

POWER PWB CIRCUIT DIAGRAM .....

2-47

REGULATOR PWB CIRCUIT DIAGRAM .....

2-51

PATTERN DIAGRAMS .....

2-53

RECEIVER PWB PATTERN .....

2-53

REGULATOR PWB PATTERN .....

2-53

ANALOG SIGNAL PWB PATTERN .....

2-55

DIGITAL SIGNAL PWB PATTERN .....

2-59

CONNECTOR PWB PATTERN .....

2-63

POWER PWB PATTERN .....

2-65

FRONT CONTROL PWB PATTERN .....

2-69

FRONT SENSOR PWB PATTERN .....

2-70

VOLTAGE CHARTS .....

2-71

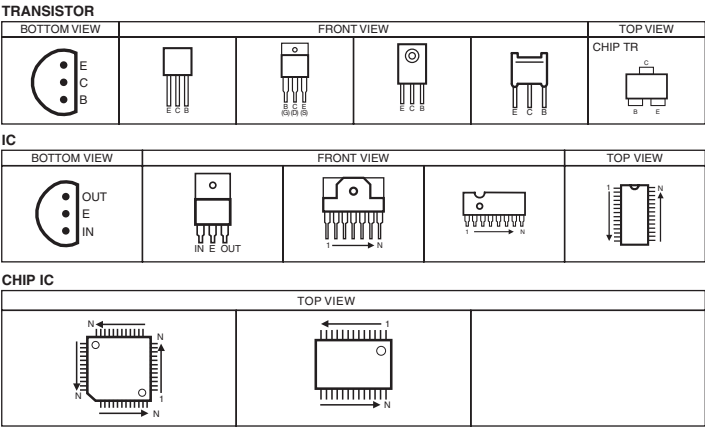
WAVEFORMS .....

2-74

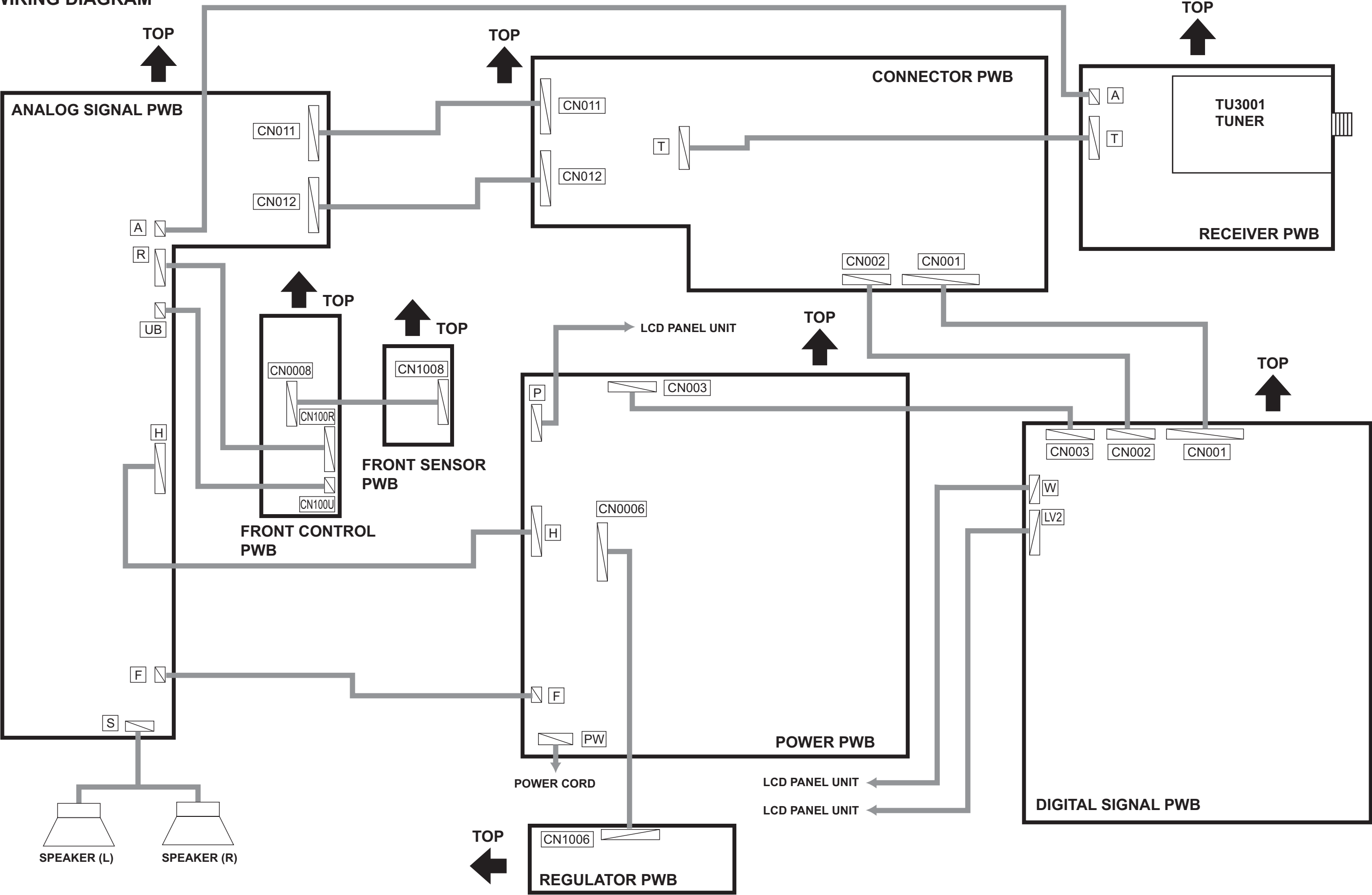
USING P.W. BOARD

P.W.B ASS'Y name	P.W.B ASS'Y No.
ANALOG SIGNAL P.W.B	SFL-1023A-U2
CONNECTOR P.W.B	SFL-4021A-U2
FRONT CONTROL P.W.B	SFL-7021A-U2
FRONT SENSOR P.W.B	SFL-8021A-U2
POWER P.W.B	SFL-9007A-U2
REGULATOR P.W.B	SFL-9107A-U2
DIGITAL SIGNAL P.W.B	LCA10428-59A (SFL-0D201A)
RECEIVER P.W.B	SFL0F201A-U2

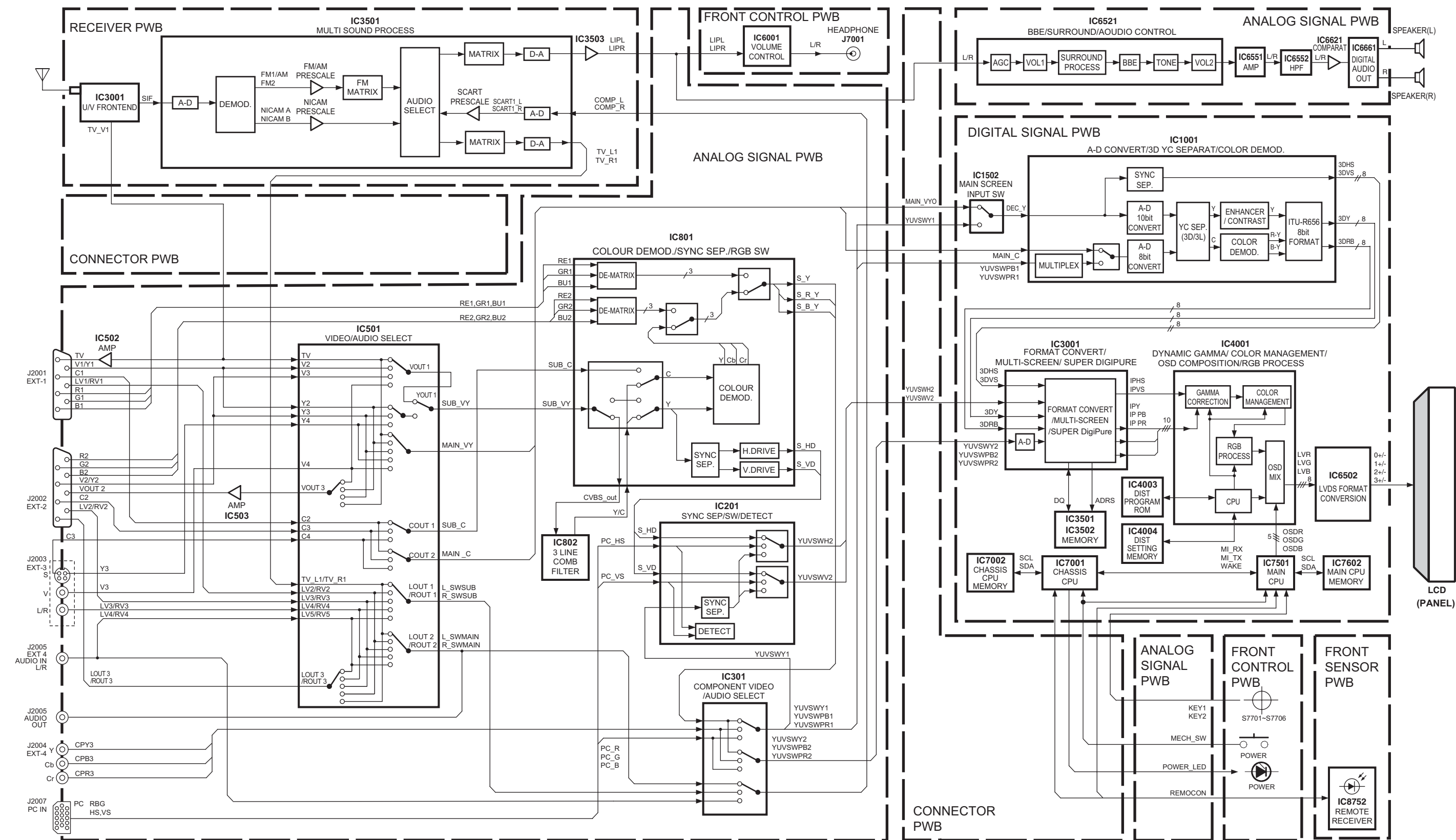
SEMICONDUCTOR SHAPES



WIRING DIAGRAM



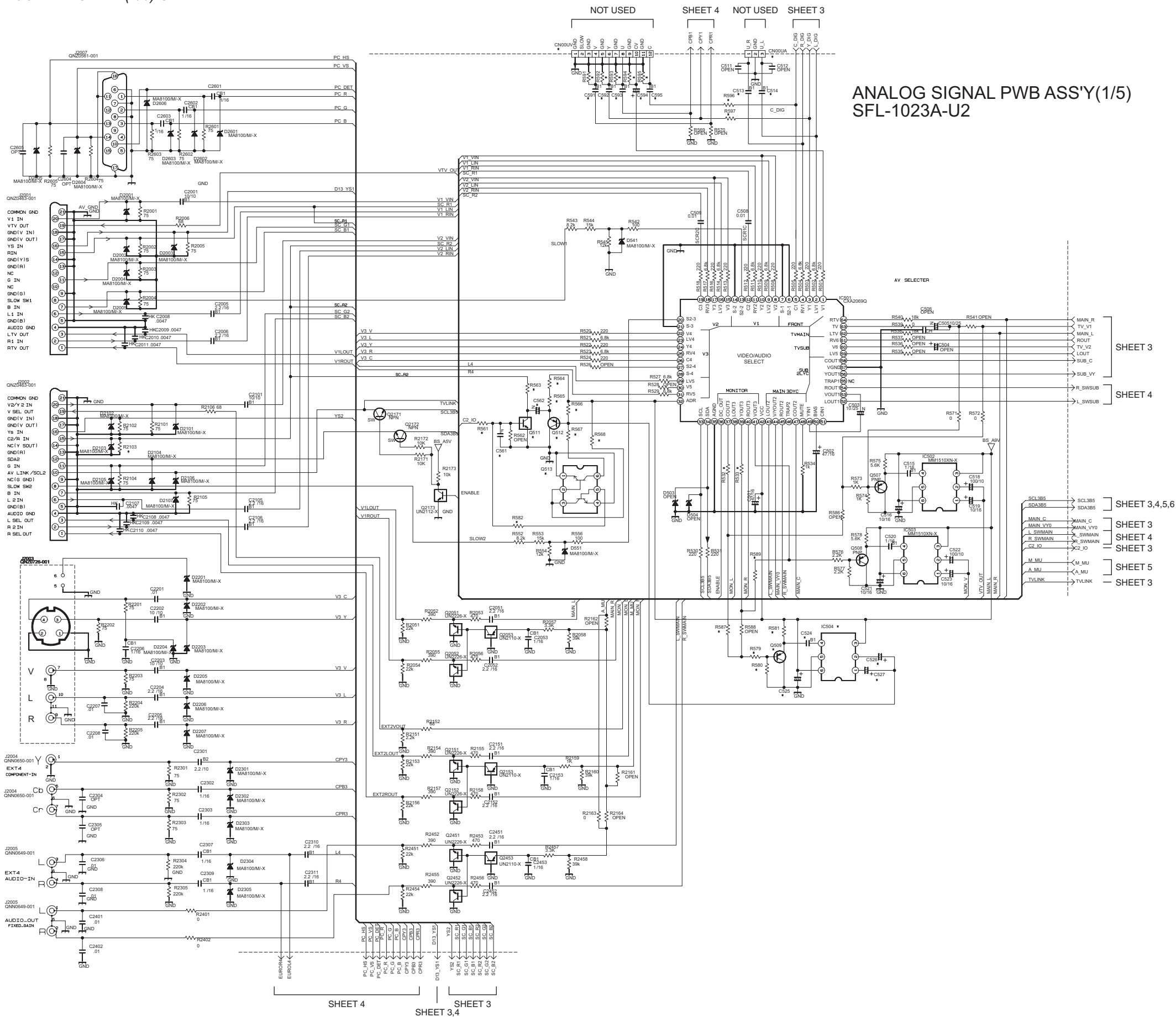
BLOCK DIAGRAM



## RECEIVER PWB CIRCUIT DIAGRAM SHEET1



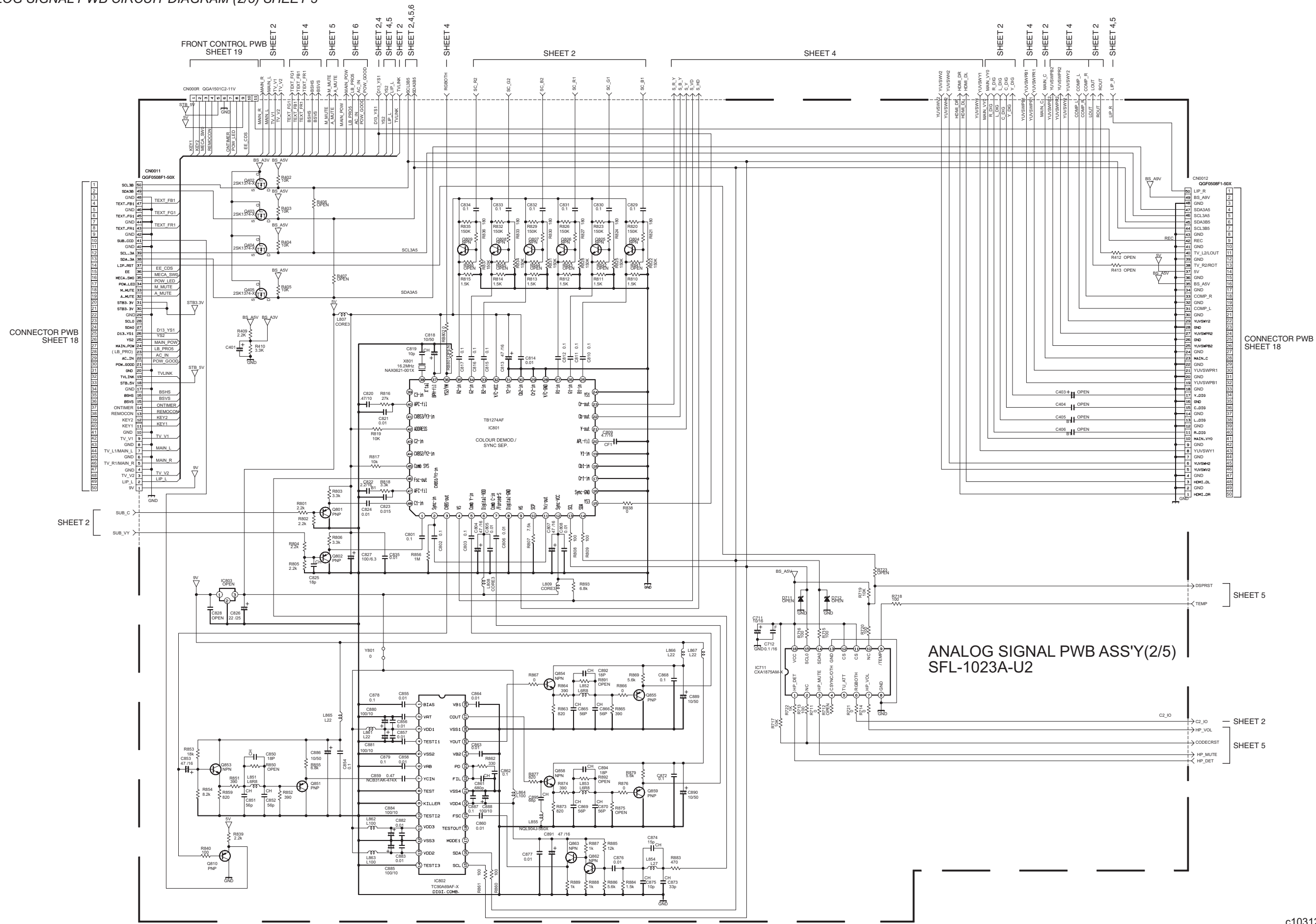


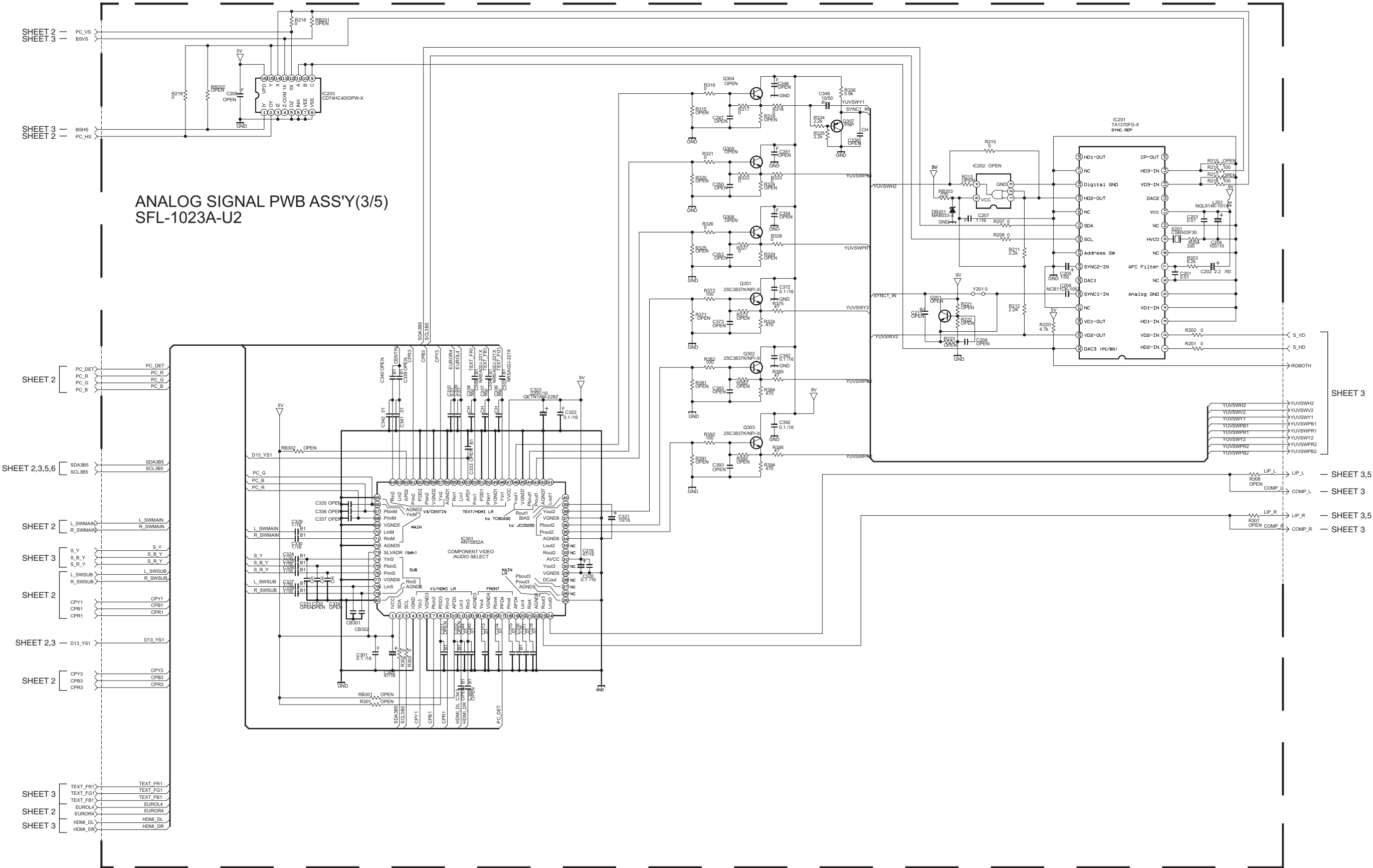


ANALOG SIGNAL PWB ASS'Y(1/5)  
SFL-1023A-U2

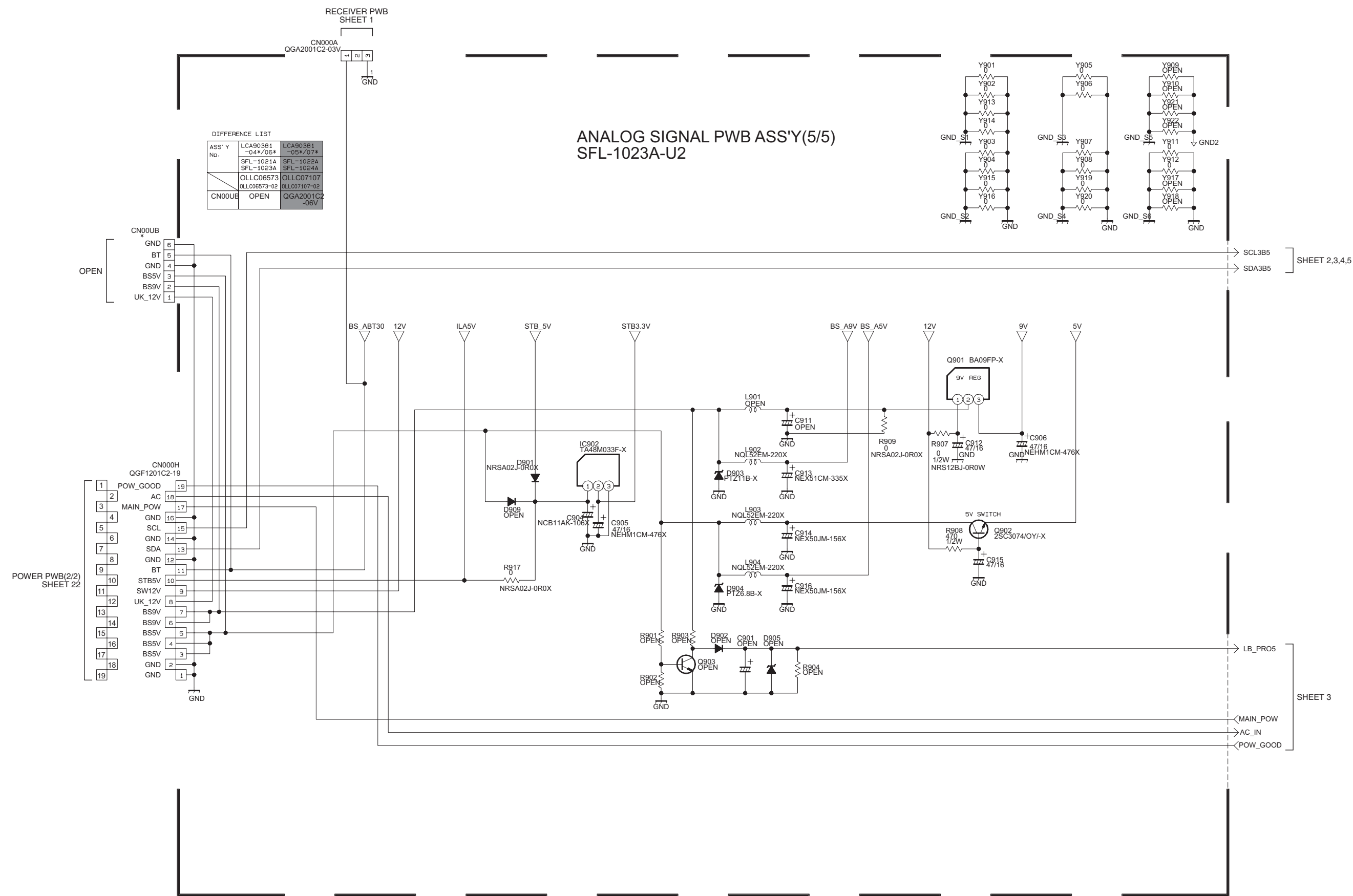
DIFFERENCE LIST			
ASS'Y	LCAG0081 SFL-1023A	LCAG0081 SFL-1023A	LCAG0081 SFL-1023A
No.	SFL-1023A	SFL-1023A	SFL-1023A
IC504	OPEN	MM15100N-X	MM15100N-X
Q509	OPEN	2SA1530A	Q509-X
R532	OPEN	0	
R533	OPEN	1K	
R579	OPEN	2.2K	
R580	OPEN	2.2K	
R581	OPEN	5.6K	
R587	OPEN	0	
R589	OPEN	0	
C524	OPEN	1/16	
C525	OPEN	10/16	
C526	OPEN	100/10	
C527	OPEN	10/16	
Q511	OPEN	UN2226-X	
Q512	OPEN	2SA1530A	Q512-X
Q513	OPEN	UMX1N-W	
R561	OPEN	1K	
R563	OPEN	68	
R564	OPEN	150	
R565	OPEN	150	
R566	OPEN	5.6K	
R567	OPEN	5.6K	
R568	OPEN	3.3K	
R582	OPEN	3.3K	
C561	OPEN	0.1/16	
C562	OPEN	1/16	
CN00UV	OPEN	GGA200102	12V
CN00UA	OPEN	GGA200102	12V
R591	OPEN	75	
R592	OPEN	75	
R593	OPEN	75	
R594	OPEN	75	
R595	OPEN	75	
R596	OPEN	0	
R597	OPEN	0	
C591	OPEN	1/16	
C592	OPEN	1/16	
C593	OPEN	1/16	
C594	OPEN	10/16	
C595	OPEN	1/16	
C513	OPEN	1/16	
C514	OPEN	1/16	
R2103	75	OPEN	

ANALOG SIGNAL PWB CIRCUIT DIAGRAM (2/5) SHEET 3









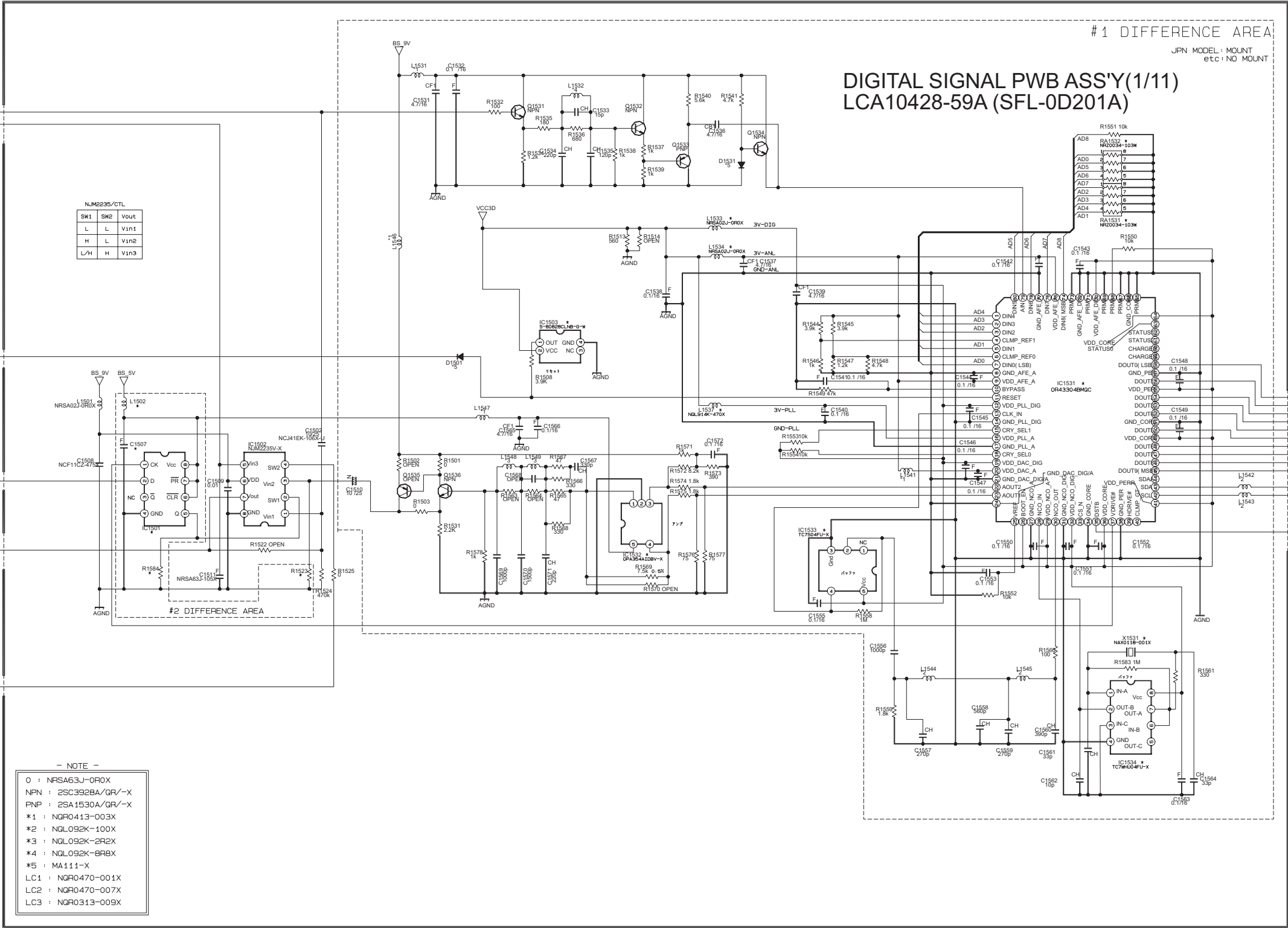


SHEET 17

SHEET 16

SHEET 9

SHEET 16



#2 DIFFERENCE LIST  
(JPN MODEL/ etc)

NOTE	JPN	US	EU	UK	ASIA	etc
Selling Country						
ASSY No.						
IC1501	OLL00613	OLL00613	OLL00613	OLL00613	OLL00613	OLL00613
IC1502	*1	OPEN	OPEN	OPEN	OPEN	OPEN
IC1507	0.1/18	OPEN	OPEN	OPEN	OPEN	OPEN
IC1508	TC7W42	0	0	0	0	0
IC1509	OPEN	0	0	0	0	0
IC1523	1M	NCF3102	NCF3102	NCF3102	NCF3102	NCF3102

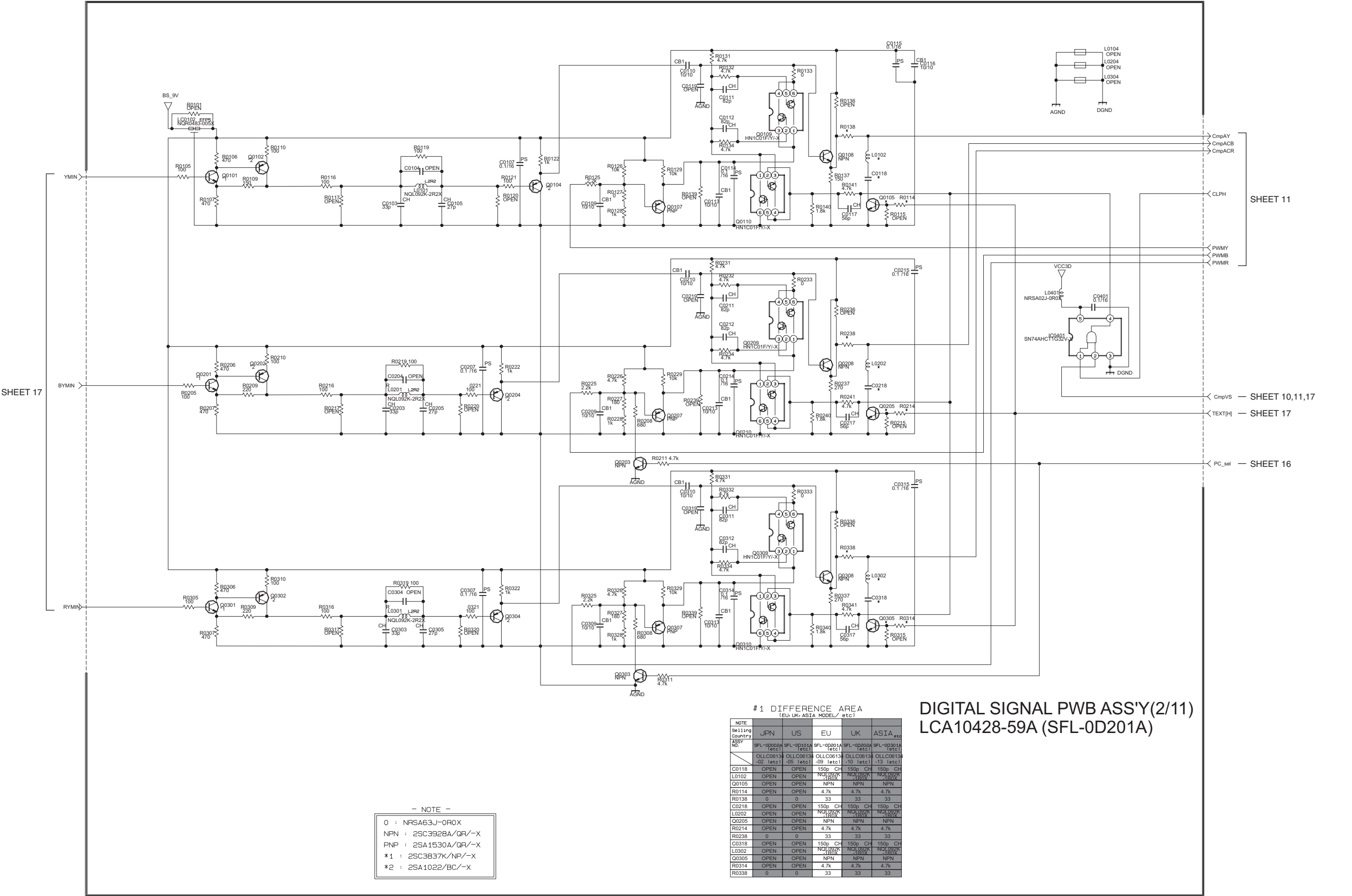
#1 DIFFERENCE AREA  
JPN MODEL: MOUNT  
etc: NO MOUNT

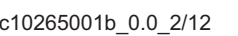
DIGITAL SIGNAL PWB ASS'Y(1/11)  
LCA10428-59A (SFL-0D201A)

\*The blank part of a difference list :  
Refer to circuit block.

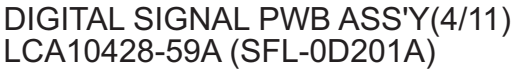
#1 DIFFERENCE LIST  
(JPN MODEL/ etc)

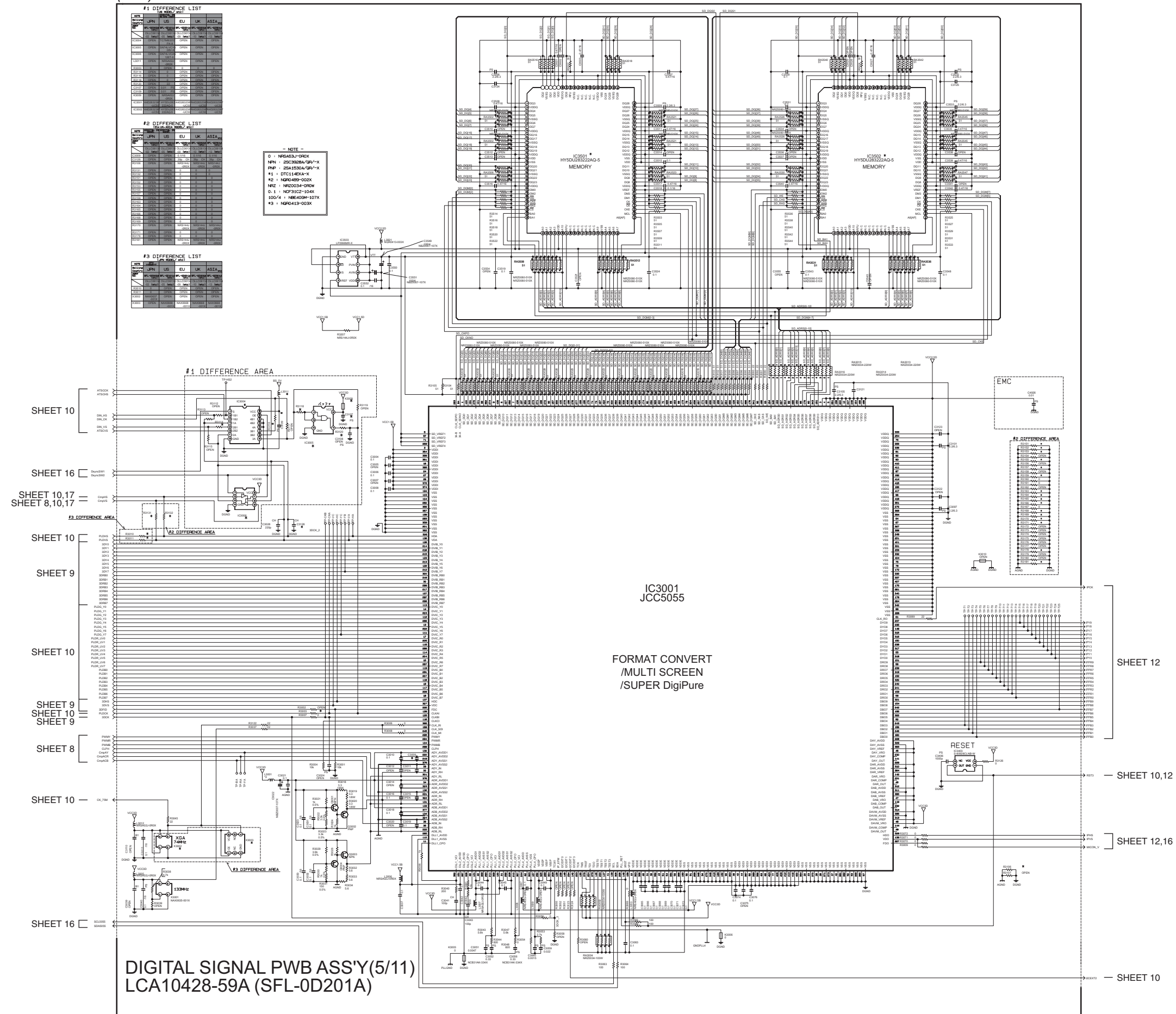
NOTE	JPN	US	EU	UK	ASIA	etc
Selling Country						
ASSY No.						
IC1501	OLL00613	OLL00613	OLL00613	OLL00613	OLL00613	OLL00613
IC1502	*1	OPEN	OPEN	OPEN	OPEN	OPEN
IC1507	0.1/18	OPEN	OPEN	OPEN	OPEN	OPEN
IC1508	TC7W42	0	0	0	0	0
IC1509	OPEN	0	0	0	0	0
IC1523	1M	NCF3102	NCF3102	NCF3102	NCF3102	NCF3102
IC1524	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC1525	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC1526	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC1527	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC1528	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
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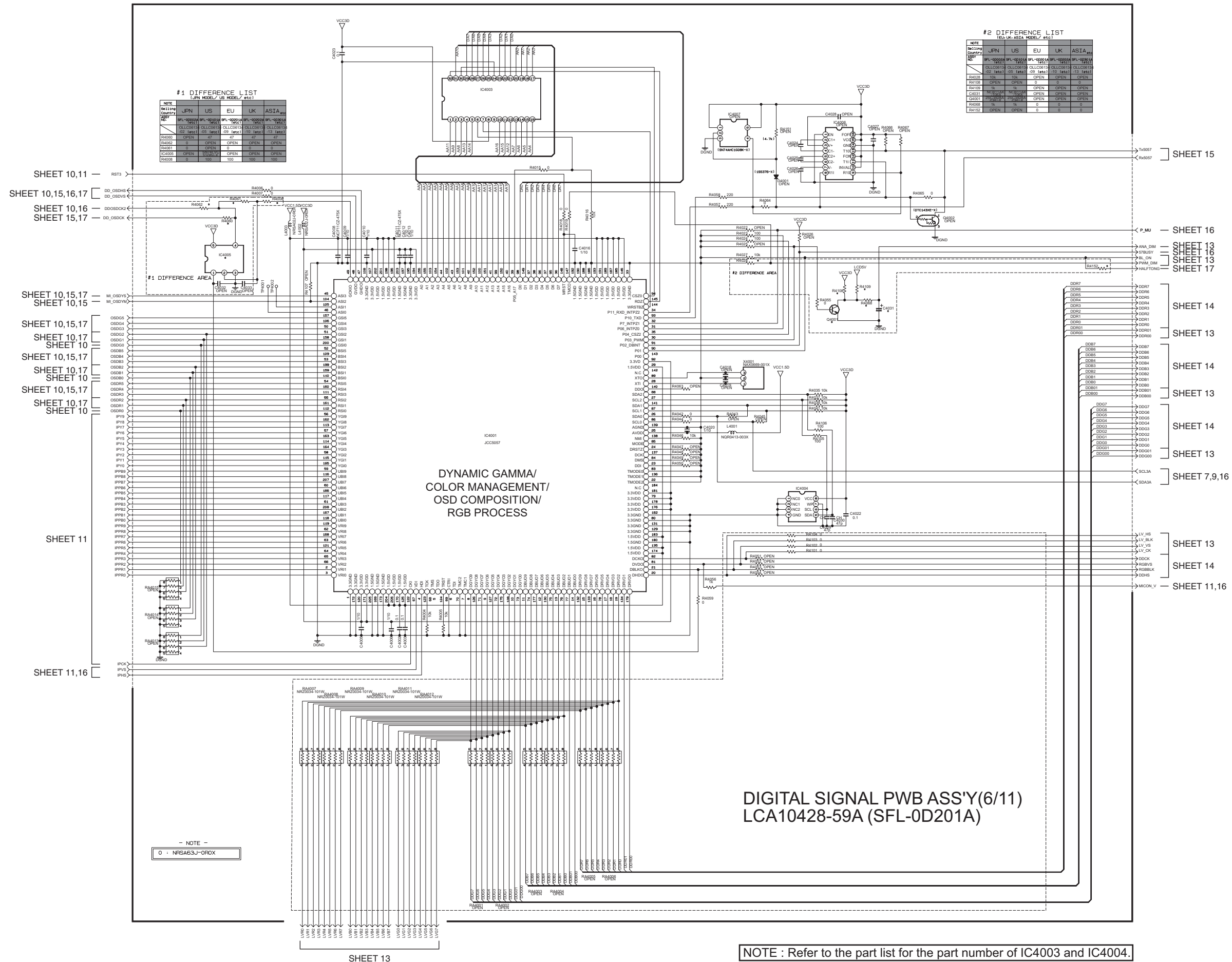




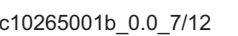




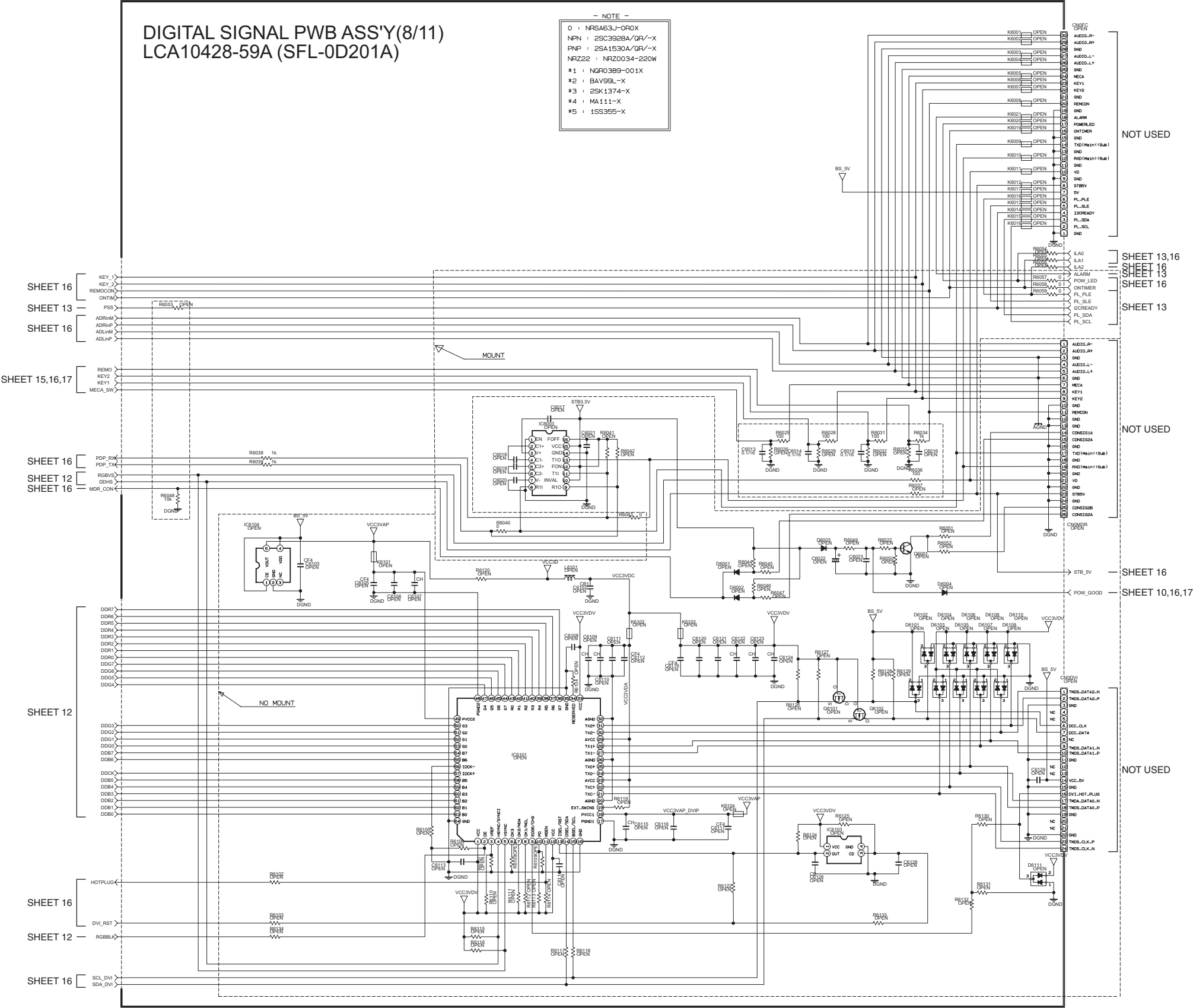


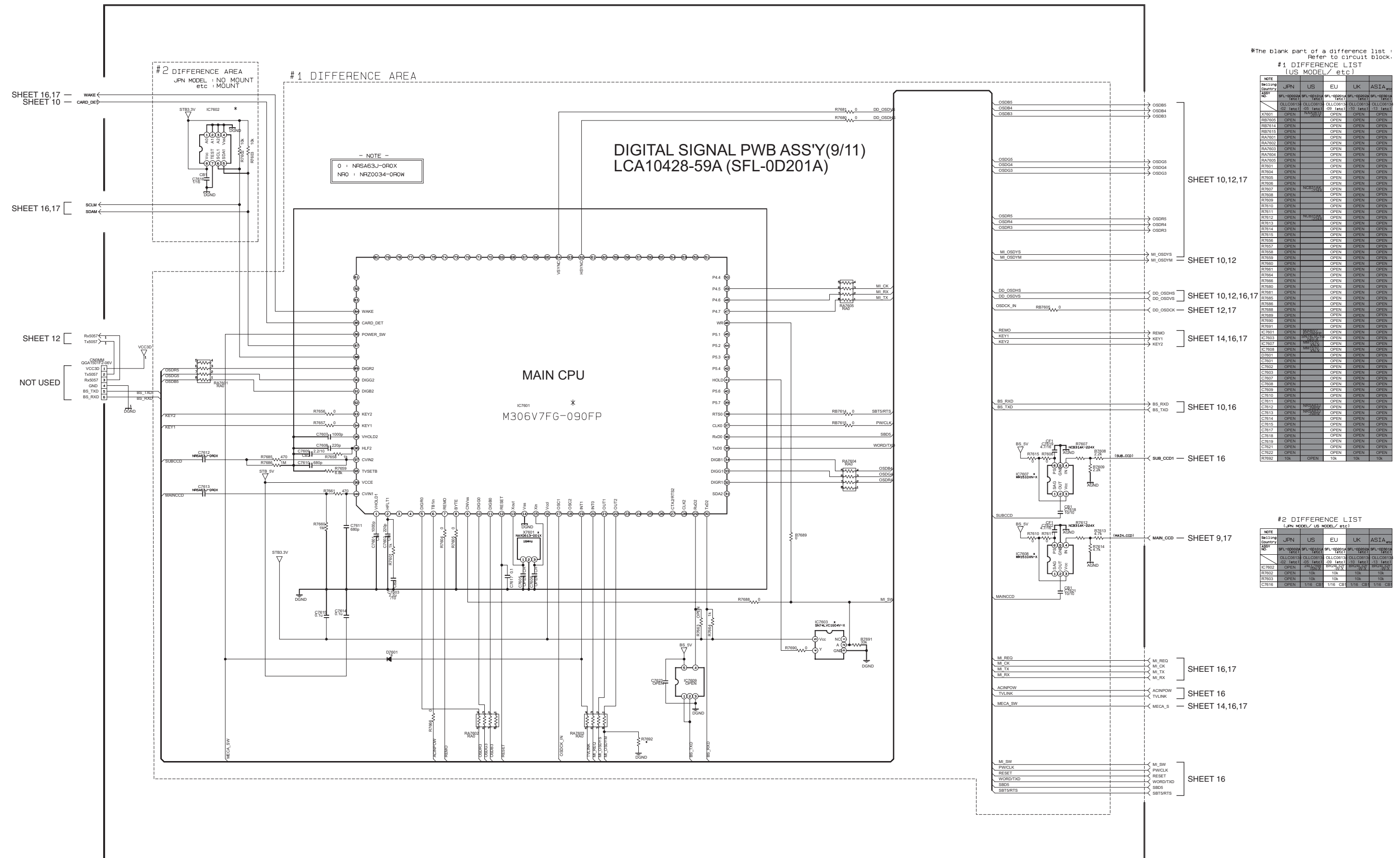


NOTE : Refer to the part list for the part number of IC4003 and IC4004.

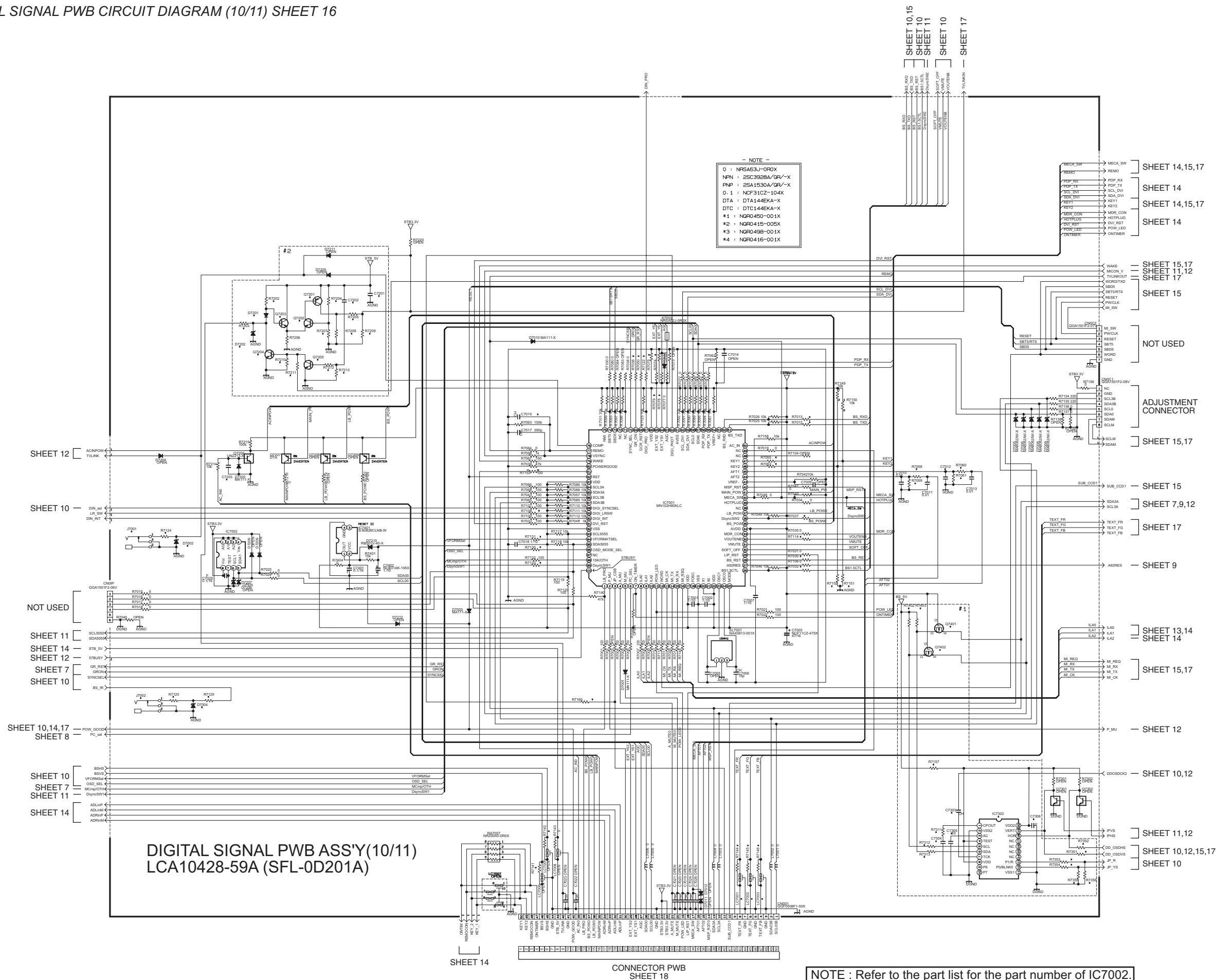








NOTE : Refer to the part list for the part number of IC7602.



#1 IDENTIFICATION LIST											
[LPN MODEL, etc.]											
NOTE		JPN		US		EU		UK		ASIA	
		CPN	UPN	CPN	UPN	CPN	UPN	CPN	UPN	CPN	UPN
		(01-100)	(101-200)	(01-100)	(101-200)	(01-100)	(101-200)	(01-100)	(101-200)	(01-100)	(101-200)
DOBT	00001	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
KEY1	00003	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
KEY2	00004	100	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
KEY3	00005	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
BS-NO	00013	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
GT-NO	00020	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
GT-NO	00021	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
GT-NO	00016	0.001	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
BS-AS	00017	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
BS-AS	00018	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
BS-AS	00019	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
BS-AS	00020	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
BS-AS	00021	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
BS-AS	00022	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
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BS-AS	00091	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
BS-AS	00092	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
BS-AS	00093	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
BS-AS	00094	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
BS-AS	00095	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
BS-AS	00096	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
BS-AS	00097	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
BS-AS	00098	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
BS-AS	00099	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
BS-AS	00100	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN

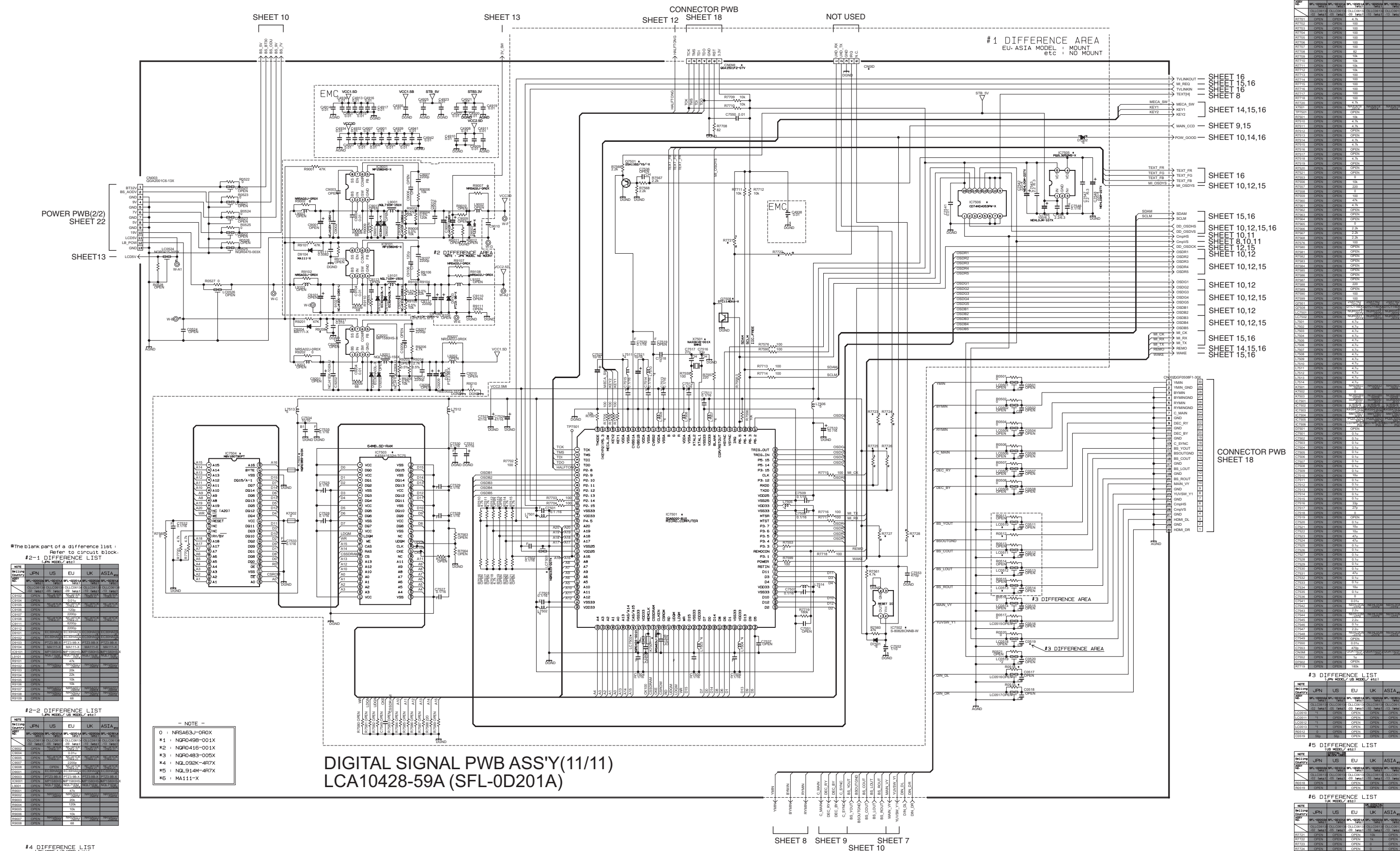
[illegible]

### #3 DIFFERENCE LIST

		(US MODE/ etc)				
NOTE		JPN	US	EU	UK	ASIA
	Selling Country					
	ASST No	SPL-0000A (etc)	SPL-0001A (etc)	SPL-0002A (etc)	SPL-0003A (etc)	SPL-0004A (etc)
		OLLC0613 (etc)	OLLC0613 (etc)	OLLC0613 (etc)	OLLC0613 (etc)	OLLC0613 (etc)
		02	05	02	10	13
018L-PH7	R7122	OPEN	0	OPEN	OPEN	OPEN
018L-PH7	R7160	OPEN	0	OPEN	OPEN	OPEN
018L-L66	R7108	100	1k	100	100	100
018L-L66	R7063	150k	OPEN	150k	150k	150k

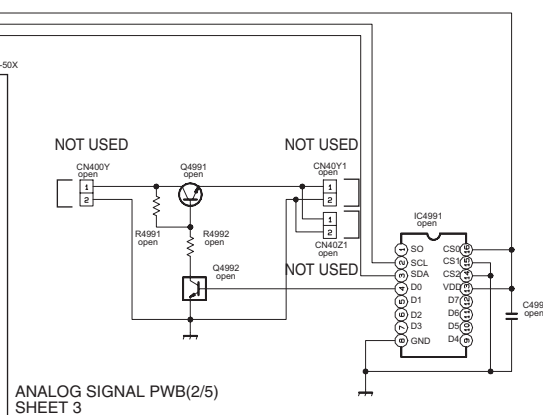
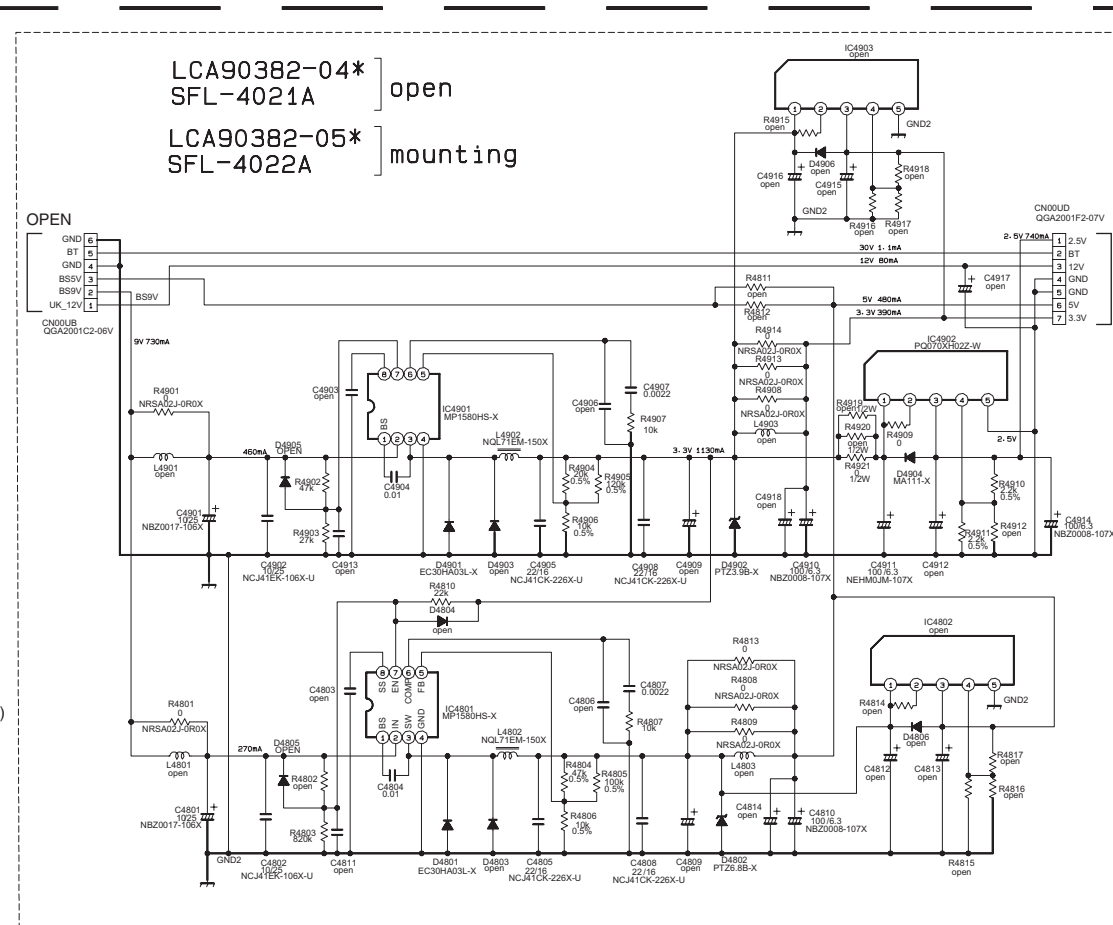
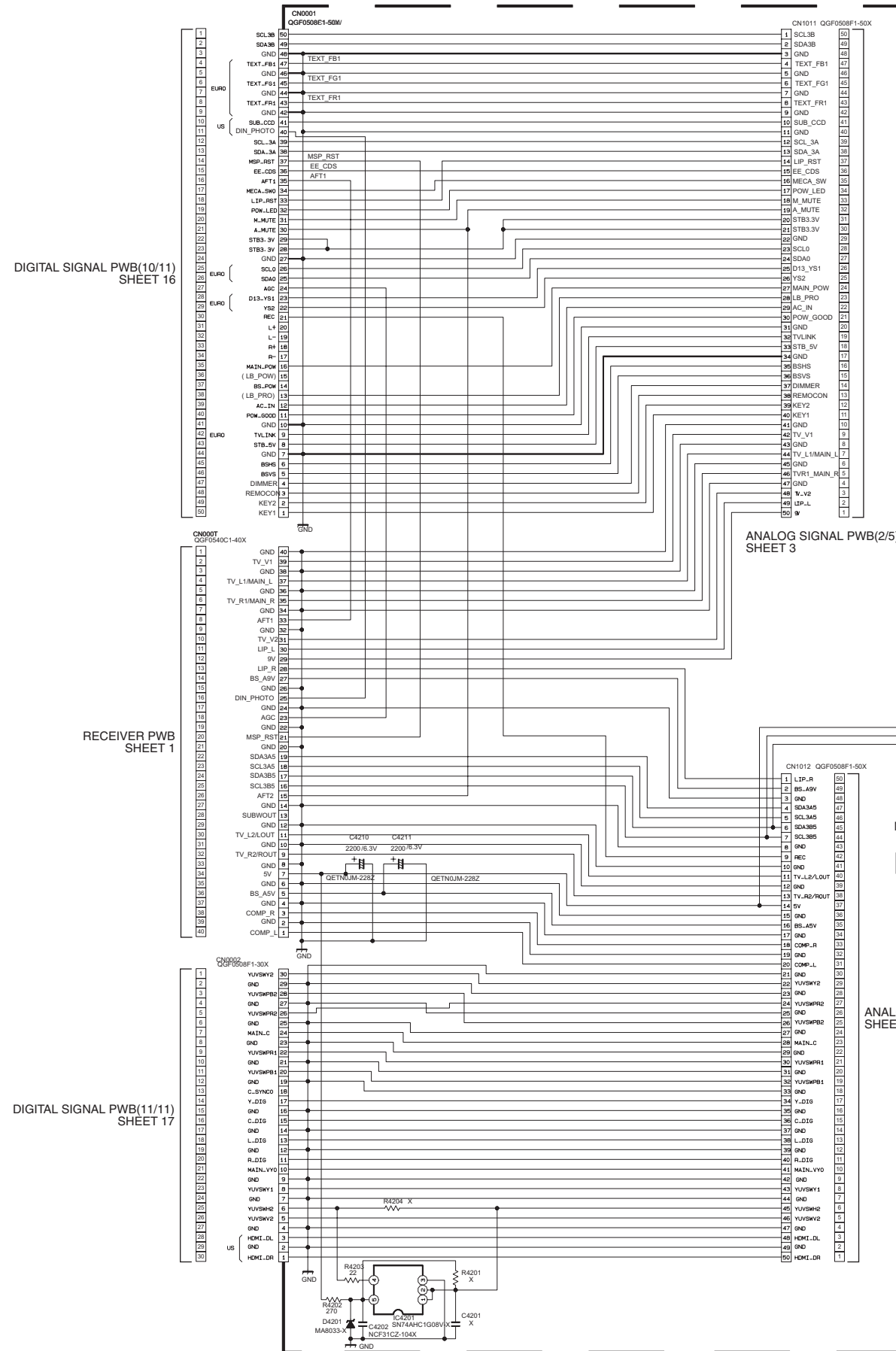
[illegible]

NOTE : Refer to the part list for the part number of IC7002.

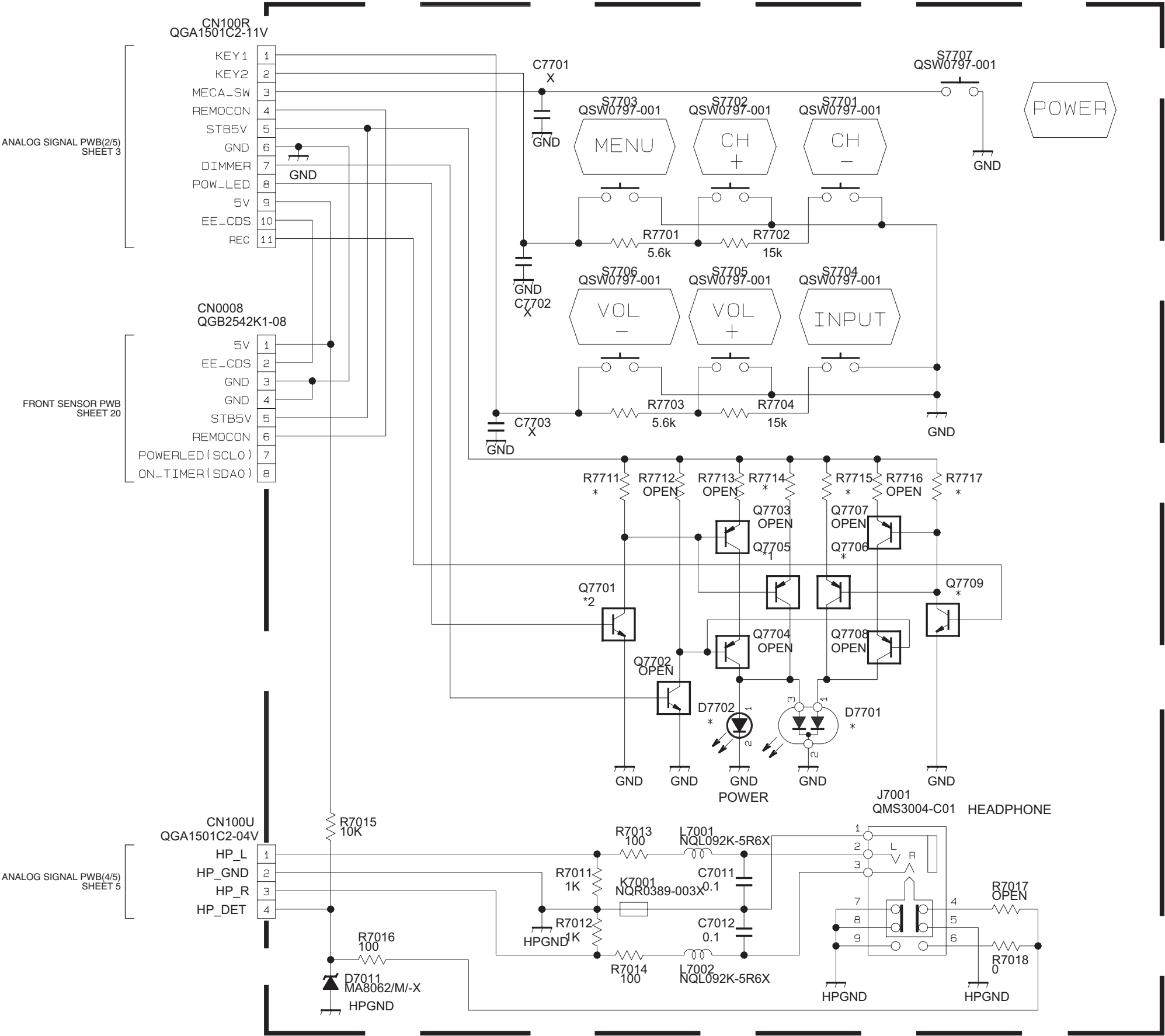




## CONNECTOR PWB CIRCUIT DIAGRAM SHEET 18

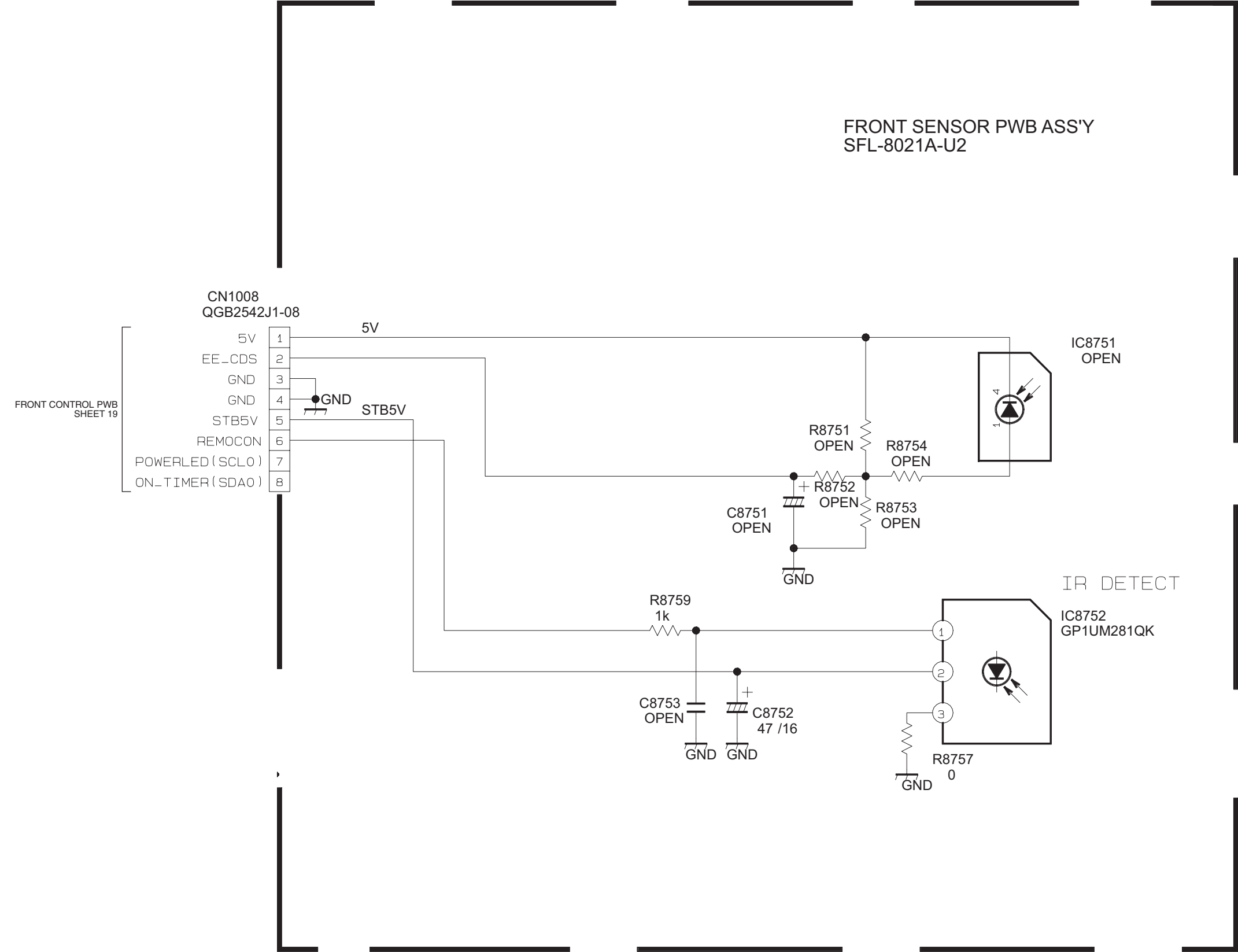


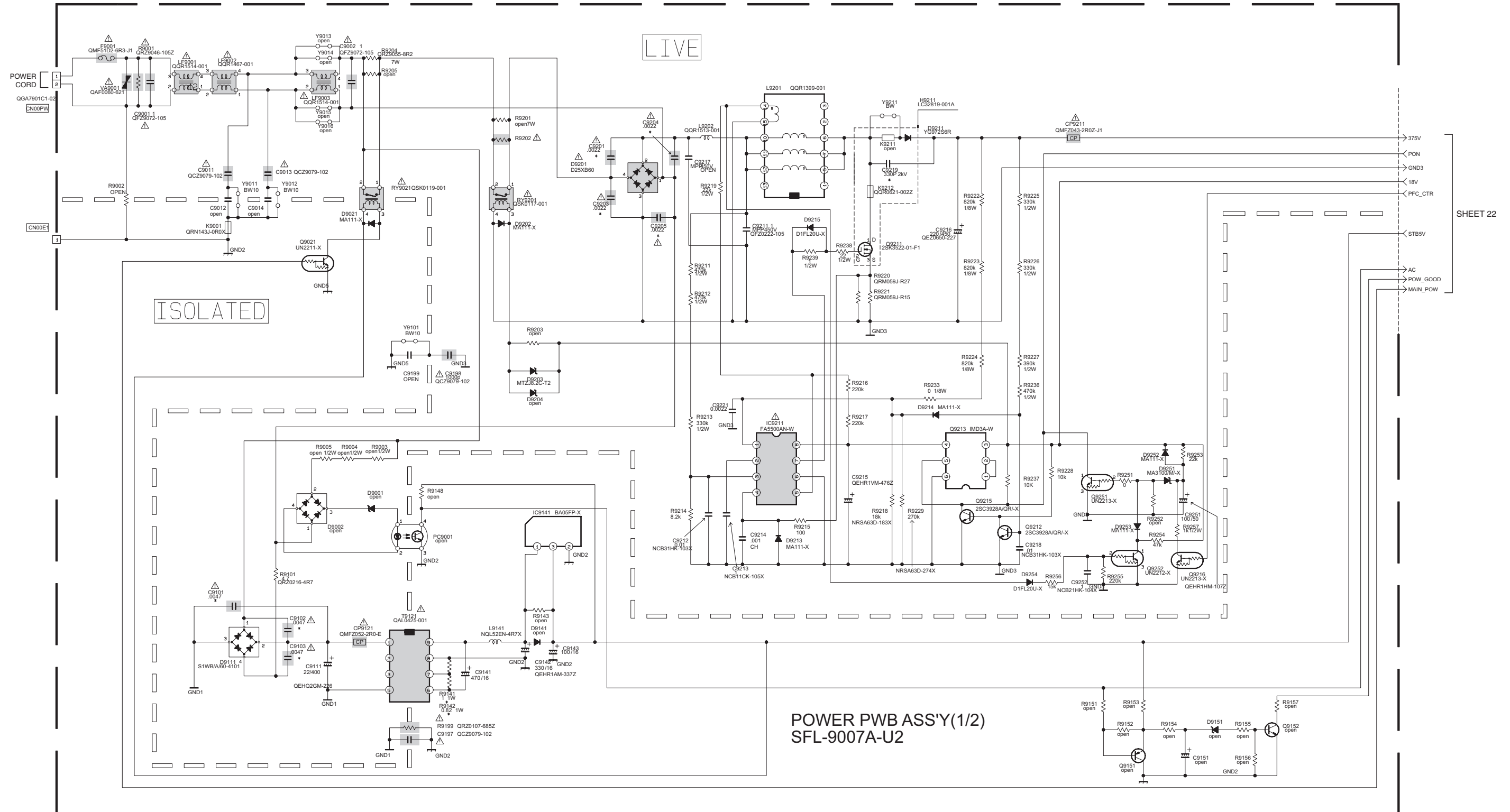
CONNECTOR PWB ASS'Y  
SFL-4021A-U2



FRONT CONTROL PWB ASS'Y  
SFL-7021A-U2

ASS' Y No.	LCA90351 -15*	LCA90351 -17*
	SFL-7021A	SFL-7022A
	OLLC06574	OLLC07108
D7701	OPEN	SML1216W
D7702	HLMPNS30 J00-T16	OPEN
Q7706	OPEN	UN2212-X
Q7709	OPEN	UN2212-X
R7711	1.5K	10K
R7714	680	1.5K
R7715	OPEN	1.5K
R7717	OPEN	10K





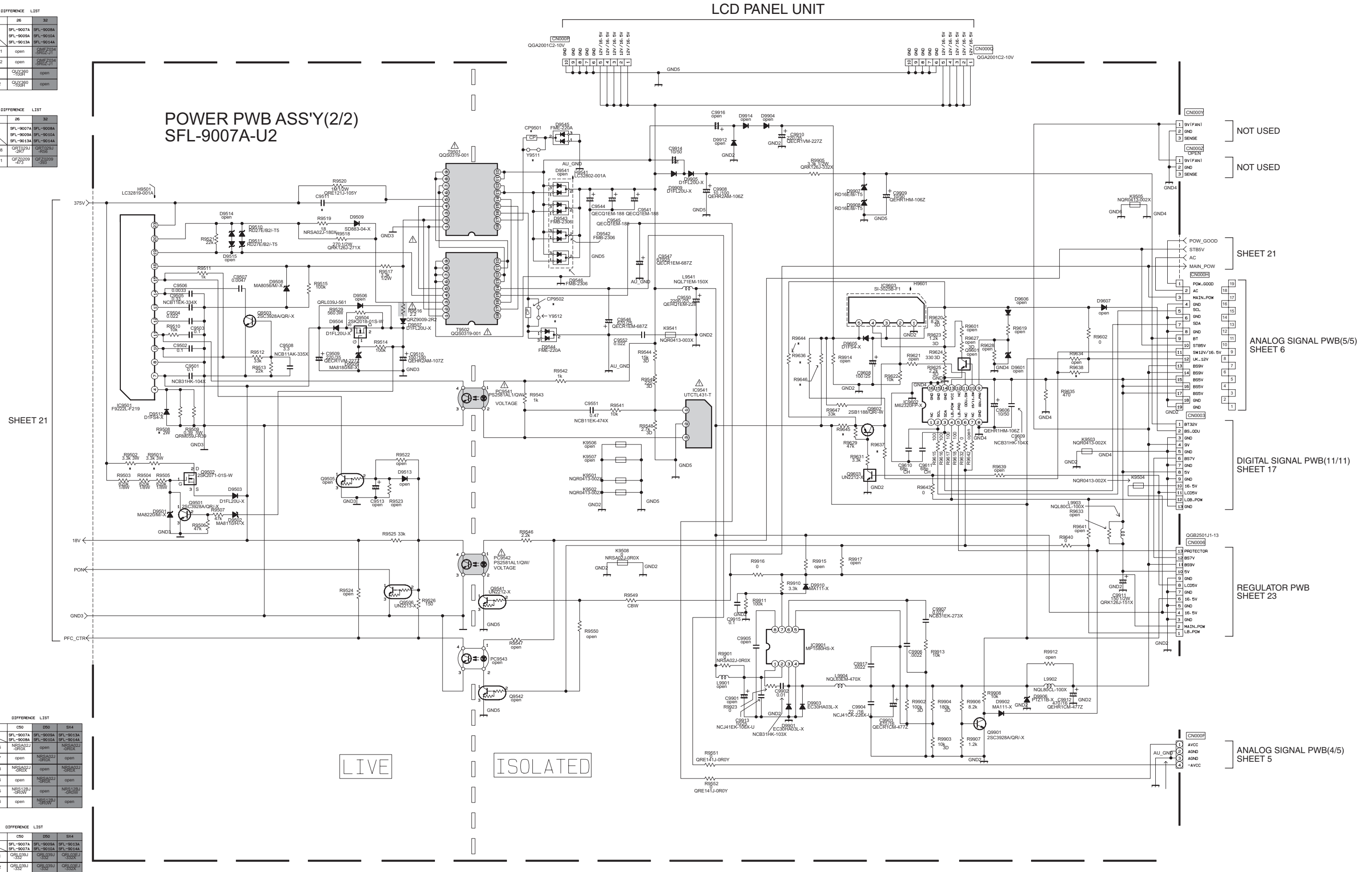
DIFFERENCE LIST					DIFFERENCE LIST				
NOTE	C50	D50	SX4		NOTE	C50	D50	SX4	
	SFL-9007A SFL-9008A	SFL-9009A SFL-9010A	SFL-9013A SFL-9014A			SFL-9007A SFL-9008A	SFL-9009A SFL-9010A	SFL-9013A SFL-9014A	
R9141	QR010J TR0J	QR100J TR0J	QR100J TR0J		C9201	QC23078 -222	QC23078 -222	QC23078 -222	
R9142	QR010J R62	QR100J R62	QR101EJ R62X		C9203	QC23078 -222	QC23078 -222	QC23082 -222	
C9101	QC23078 -222	QC23078 -222	QC23082 -222		C9204	QC23078 -222	QC23078 -222	QC23082 -222	
C9102	QC23078 -222	QC23078 -222	QC23082 -222		C9205	QC23078 -222	QC23078 -222	QC23082 -222	
C9103	QC23078 -222	QC23078 -222	QC23082 -222		C9219	QC230340 -222	QC230340 -222	QC230354 -222	

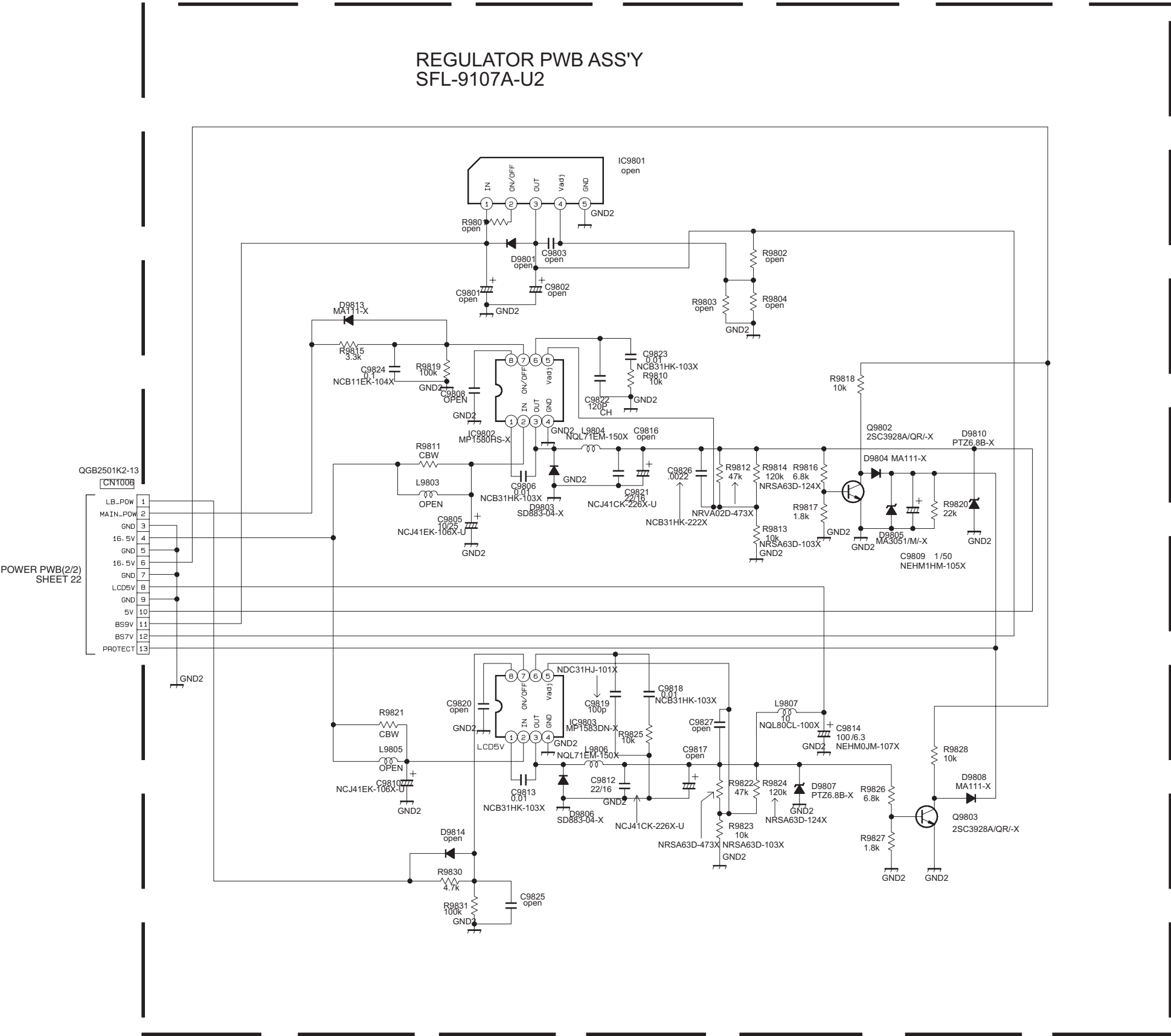
DIFFERENCE LIST		
NOTE	26	32
	SFL-9007A	SFL-9008A
	SFL-9009A	SFL-9010A
	SFL-9013A	SFL-9014A
CP9501	open	QMF-234 -SR02-J1
CP9502	open	QMF-234 -SR02-J1
Y9511	QJY360 -100H	open
Y9512	QJY360 -100H	open

DIFFERENCE		LIST
NOTE	26	32
	SFL-9007A	SFL-9008A
	SFL-9009A	SFL-9010A
	SFL-9013A	SFL-9014A
R9508	QRT029J -2R7	QRT029J -R56
C9511	QFZ0209 -473	QFZ0209 -393

DIFFERENCE LIST				
NOTE	C50	D50	SX4	
	SFL*9007A SFL*9008A	SFL*9009A SFL*9010A	SFL*9013A SFL*9014A	
R9636	NRS402J -OR0X	open	NRS402J -OR0X	
R9637	open	NRS402J -OR0X	open	
R9638	NRS402J -OR0X	open	NRS402J -OR0X	
R9644	open	NRS402J	open	
R9645	NRS12BU -OR0W	open	NRS12BU -OR0W	
R9646	open	NRS12BU -OR0W	open	

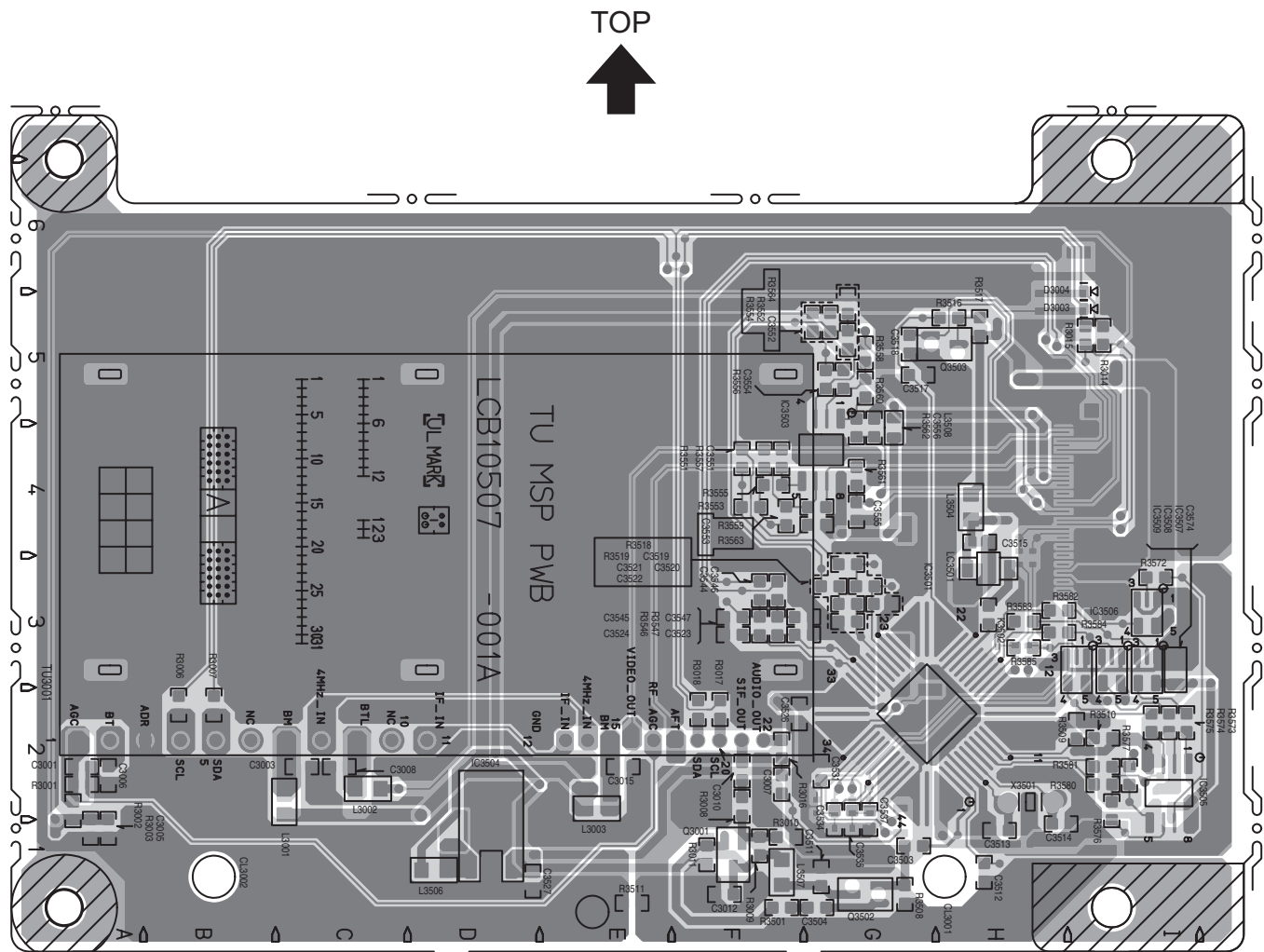
NOTE	C50	D50	SX4
	SFL-9007A SFL-9007A	SFL-9009A SFL-9010A	SFL-9013A SFL-9014A
R9501	QRL039J -332	QRL039J -332	QRL03EJ -332X
R9502	QRL039J -332	QRL039J -332	QRL03EJ -332X



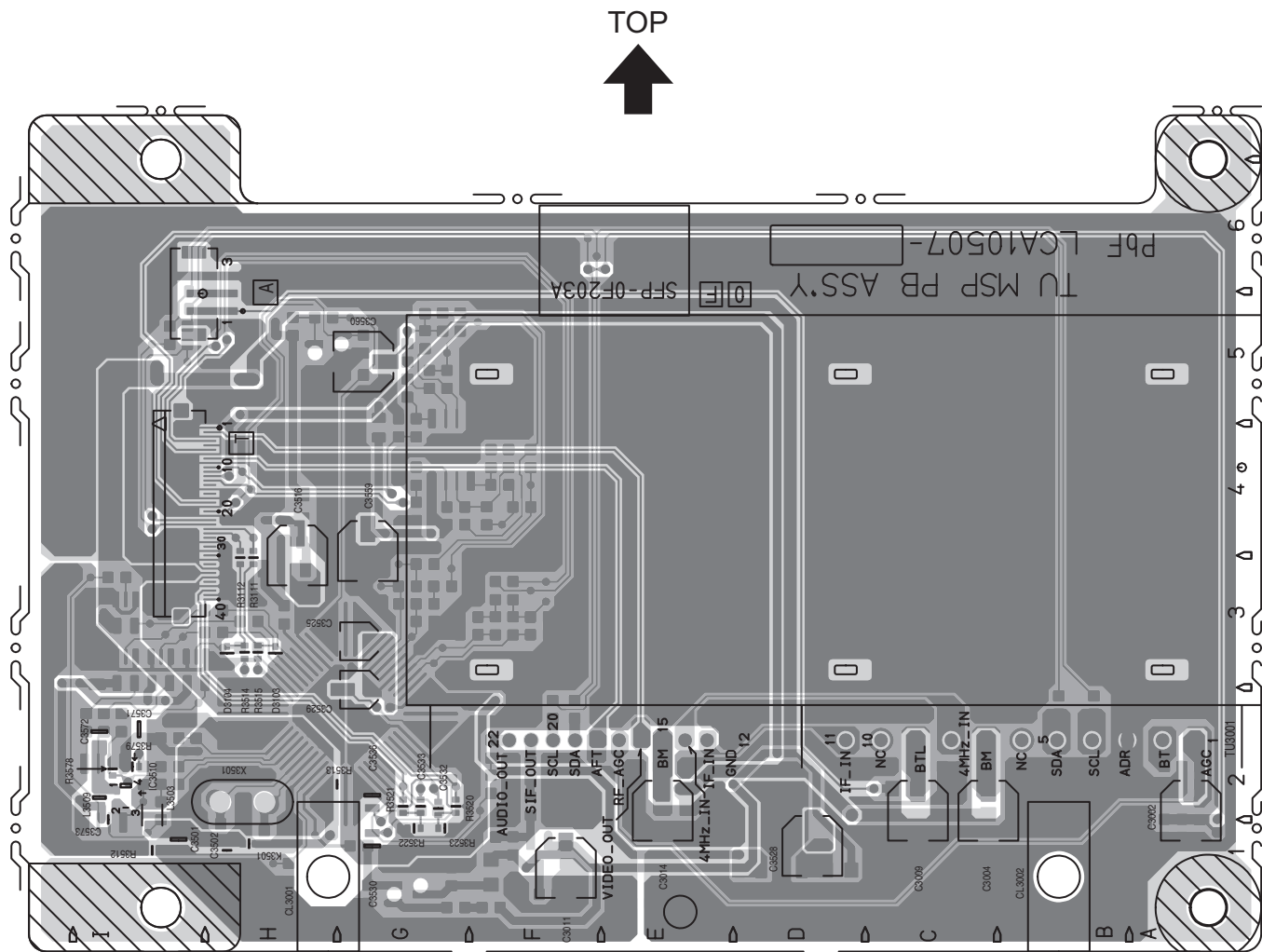




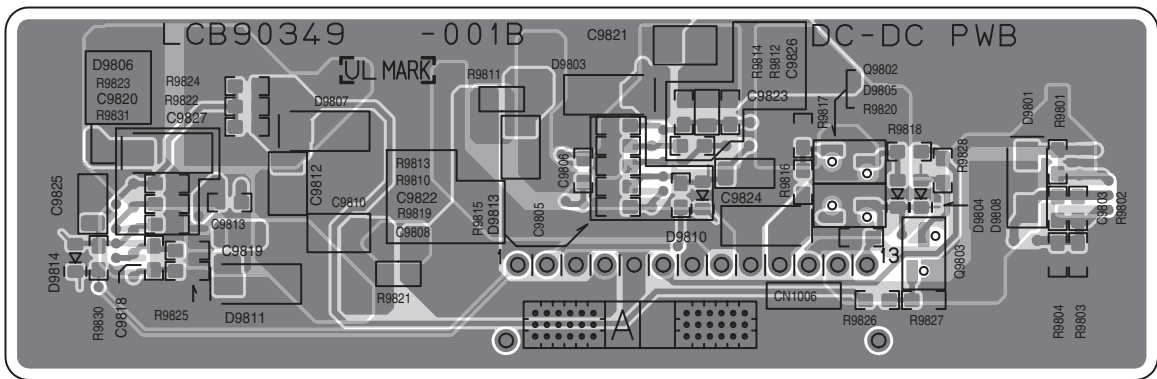
**PATTERN DIAGRAMS**  
RECEIVER PWB PATTERN [SOLDER SIDE]



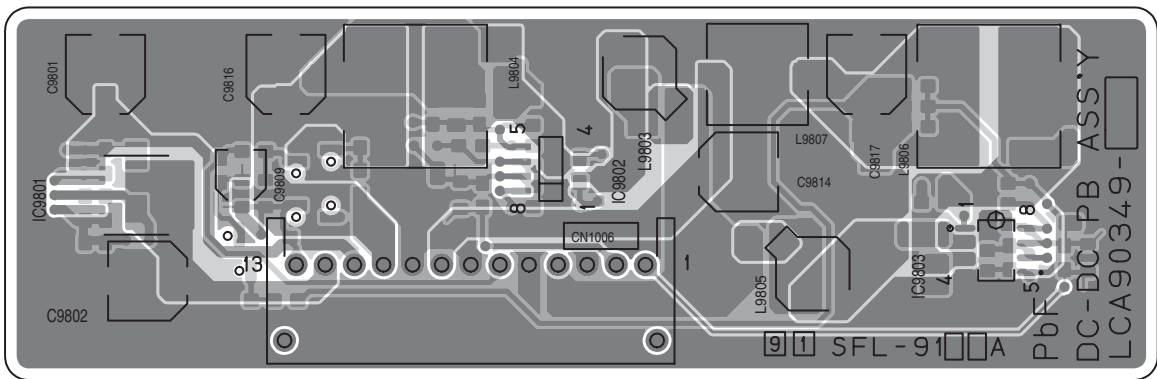
RECEIVER PWB PATTERN [PARTS SIDE]



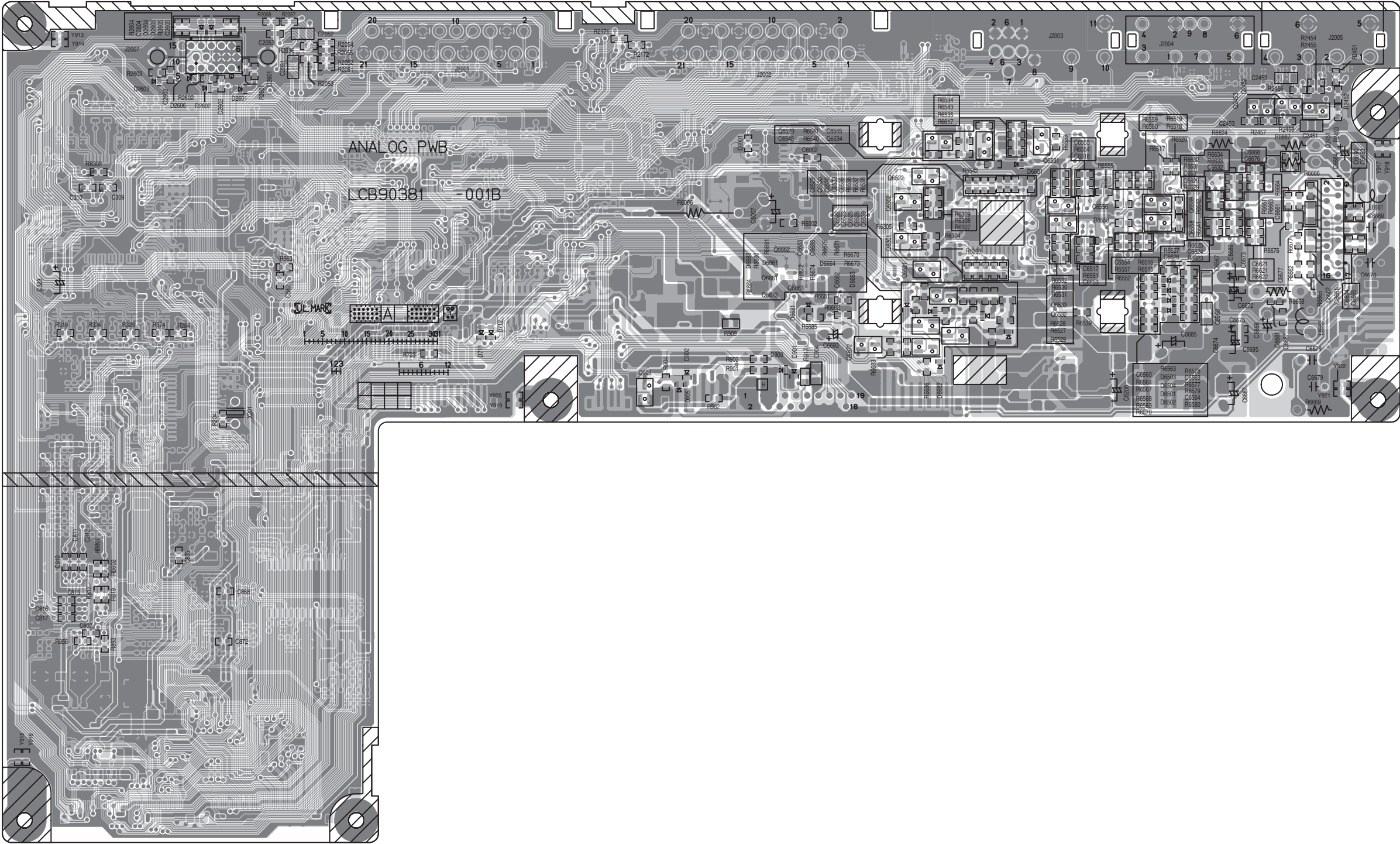
REGULATOR PWB PATTERN [SOLDER SIDE]



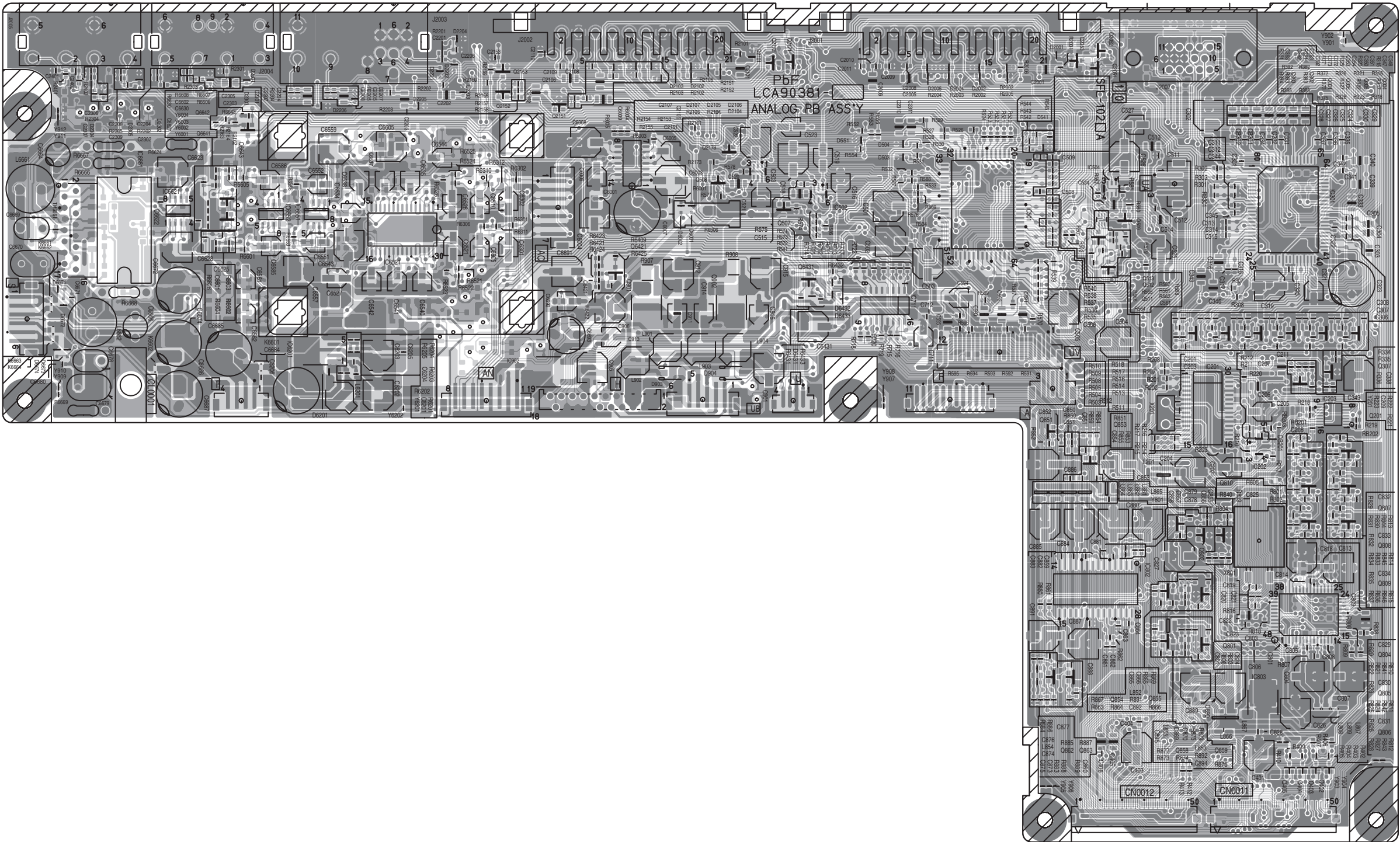
REGULATOR PWB PATTERN [PARTS SIDE]



TOP  
←

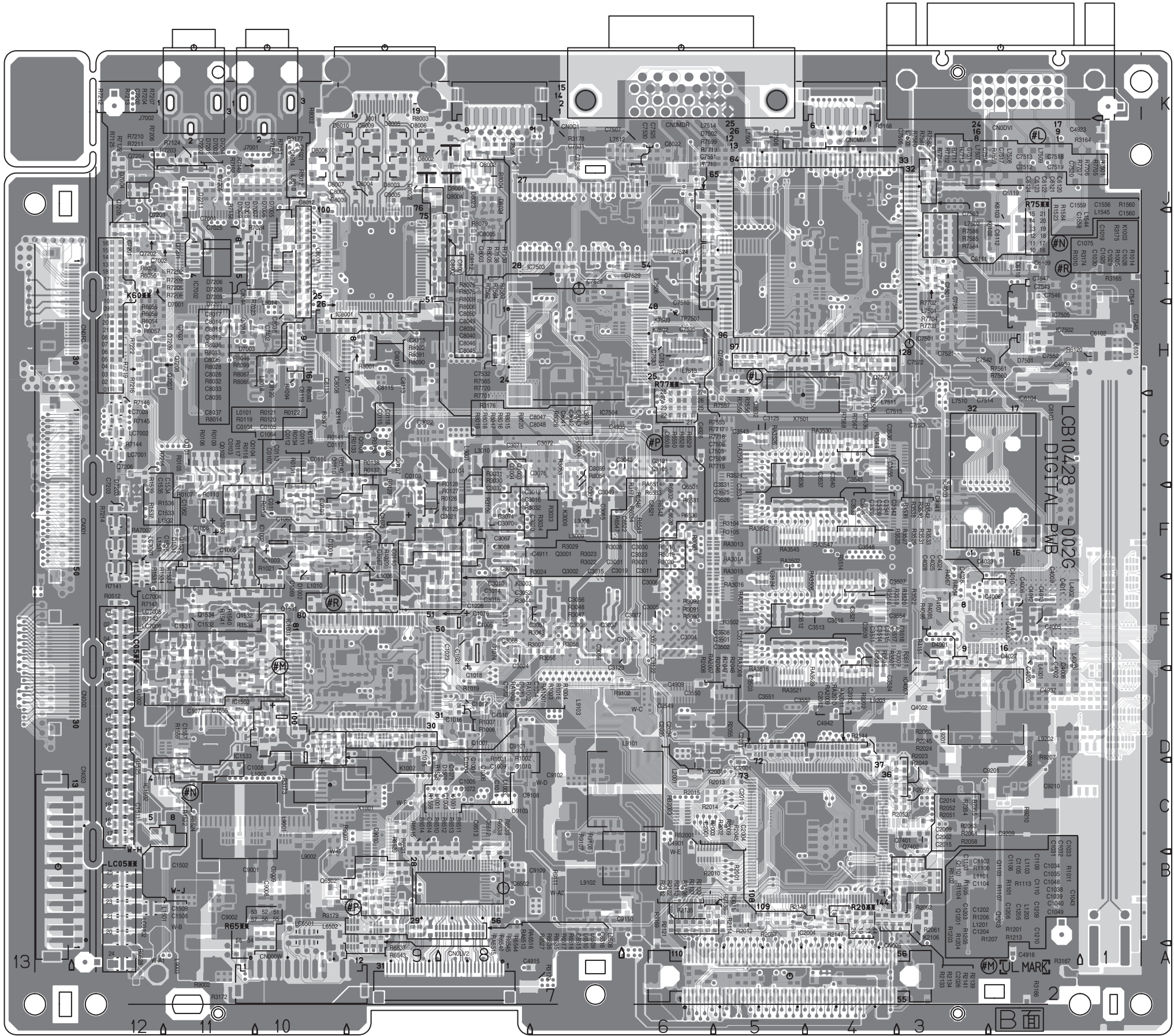








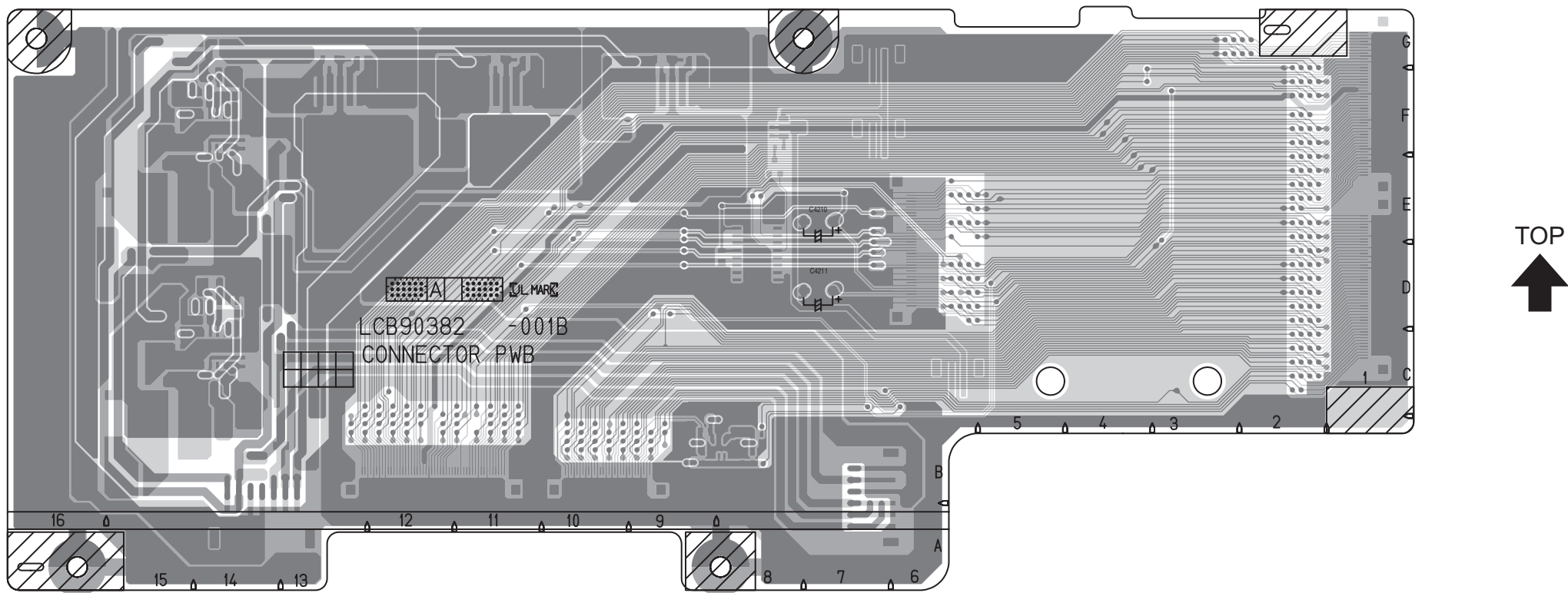
TOP  
←



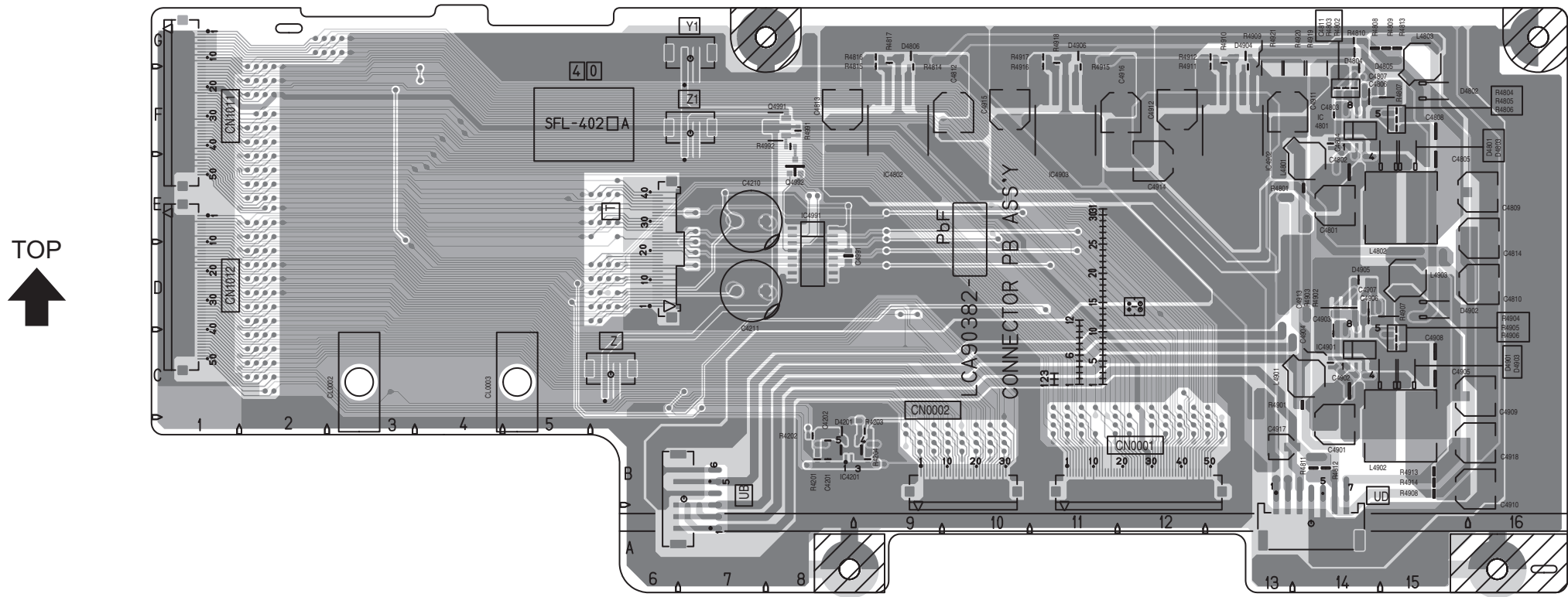




CONNECTOR PWB PATTERN [SOLDER SIDE]

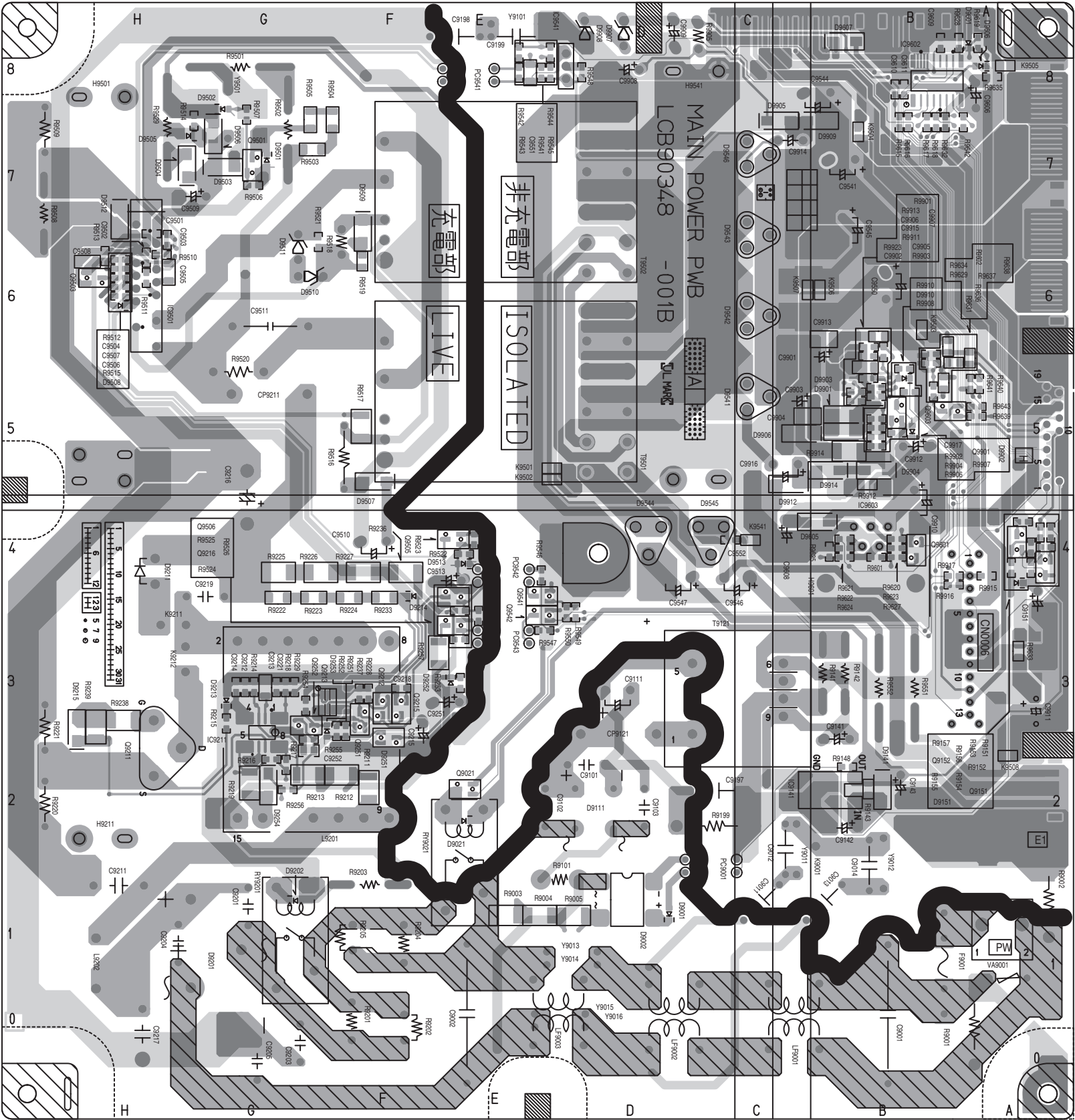


CONNECTOR PWB PATTERN [PARTS SIDE]





FRONT  
↑







# VOLTAGE CHARTS

<RECEIVER>  
[P.2-7 - P.2-8]

MODE PIN NO.	DC (V)
IC3501	
1	5.0
2	1.5
3	1.5
4	0
5	2.4
6	2.2
7	0
8	0
9	0
10	2.5
11	5.0
12	5.0
13	5.0
14	2.2
15	2.5
16	0.7
17	0.7
18	0
19	5.0
20	0
21	0
22	5.0
23	0
24	0
25	0
26	2.0
27	2.1
28	0
29	0
30	3.3
31	3.4
32	0
33	8.0
34	6.3
35	0
36	3.8
37	3.8
38	3.7
39	0
40	3.6
41	3.8
42	2.6
43	3.8
44	0
IC3503	
1	4.5
2	4.5
3	4.4
4	0
5	4.5
6	0
7	4.5
8	9.0
IC3504	
1	9.0
2	0
3	8.0
IC3505	
1	0.3
2	1.3
3	1.1
4	0
5	0
6	0
7	0.3
8	2.5
IC3506	
1	0
2	0.3
3	0
4	0.7
5	5.1
IC3507	
1	0
2	0.7
3	0
4	0.2
5	2.5
IC3508	
1	0
2	2.5
3	0
4	1.1
5	2.5
IC3509	
1	0
2	2.0
3	0
4	1.0
5	2.5
IC3510	
1	2.5
2	0
3	5.0
4	5.0

<ANALOG SIGNAL>  
[P.2-9 - P.2-10]

MODE PIN NO.	DC (V)
IC501	
1	4.0
2	4.5
3	4.4
4	4.5
5	4.4
6	3.5
7	3.5
8	4.4
9	4.5
10	4.4
11	4.5
12	4.5
13	0
14	3.5
15	4.0
16	4.5
17	4.0
18	4.5
19	4.4
20	0
21	0
22	4.0
23	4.5
24	4.0
25	4.5
26	4.4
27	0.2
28	5.0
29	4.5
30	4.0
31	4.58
32	9.0
33	4.9
34	5.0
35	0
36	0
37	4.4
38	4.5
39	0
40	4.5
41	4.4
42	9.1
43	4.4
44	4.4
45	4.5
46	3.8
47	4.4
48	0
49	0
50	0
51	4.4
52	4.5
53	4.4
54	4.5
55	3.7
56	4.1
57	0.3
58	4.3
59	4.5
60	4.0
61	4.5
62	4.5
63	4.5
64	4.5
IC502	
1	3.2
2	3.5
3	9.0
4	2.9
5	0
6	9.0
IC503	
1	2.9
2	3.0
3	9.0
4	2.7
5	0
6	9.0
IC504	
1	2.1
2	2.1
3	9.0
4	2.3
5	0
6	9.0
Q507	
E	1.5
C	0
B	0.9
Q508	
E	2.9
C	0
B	2.2

MODE PIN NO.	DC (V)
Q509	
E	2.8
C	0
B	2.2
Q511	
E	0
C	5.2
B	0.4
Q512	
E	5.2
C	0
B	4.6
Q513	
1	0
2	0.7
3	0.7
4	0
5	0.2
6	0
Q2051	
E	0
C	0
B	0
Q2052	
E	0
C	0
B	0
Q2053	
E	0
C	0
B	0
Q2151	
E	0
C	0
B	0
Q2152	
E	0
C	0
B	0
Q2153	
E	0
C	0
B	0
Q2171	
E	4.9
C	4.3
B	4.8
Q2172	
E	4.6
C	5.0
B	4.9
Q2173	
E	0
C	5.3
B	0
Q2451	
E	0
C	0
B	0
Q2452	
E	0
C	0
B	0
Q2453	
E	0
C	0
B	0

MODE PIN NO.	DC (V)
IC711	
1	5.2
2	5.3
3	4.6
4	4.6
5	0.4
6	0.4
7	0.4
8	0
9	5.4
10	5.3
11	5.4
12	5.4
13	0
14	5.1
15	4.9
16	5.4
IC801	
1	2.3
2	2.0
3	1.5
4	0
5	2.4
6	5.2
7	2.6
8	0
9	0.4
10	0.8
11	2.5
12	5.2
13	4.9
14	4.9
15	0
16	0
17	0
18	0
19	0
20	2.5
21	1.8
22	1.9
23	1.9
24	0
25	2.6
26	2.6
27	0
28	0
29	0
30	0
31	0
32	5.2
33	2.6
34	2.6
35	2.6
36	0.6
37	5.2
38	4.1
39	1.8
40	3.3
41	2.1
42	4.7
43	1.8
44	2.0
45	5.2
46	2.1
47	3.9
48	1.8
IC802	
1	1.3
2	3.2
3	5.1
4	2.5
5	0
6	1.9
7	2.4
8	0
9	0
10	0
11	5.1
12	0
13	5.2
14	0
15	4.9
16	5.0
17	0
18	0
19	2.5
20	5.1
21	0
22	2.9
23	2.9
24	3.5
25	3.4
26	0
27	3.4
28	1.7

MODE PIN NO.	DC (V)
Q402	
S	3.2
D	2.9
G	5.0
Q403	
S	3.1
D	3.0
G	5.0
Q404	
S	3.2
D	3.1
G	5.3
Q405	
S	3.1
D	3.2
G	5.3
Q801	
E	2.7
C	0
B	2.1
Q802	
E	2.9
C	0
B	2.3
Q804	
E	1.6
C	5.2
B	2.1
Q805	
E	1.6
C	5.2
B	2.2
Q806	
E	1.6
C	5.2
B	2.2
Q807	
E	1.6
C	5.1
B	2.2
Q808	
E	1.6
C	5.2
B	2.2
Q809	
E	1.6
C	5.2
B	2.0
Q810	
E	2.1
C	0
B	1.5
Q851	
E	1.6
C	0
B	1.0
Q853	
E	1.9
C	9.0
B	2.7
Q854	
E	2.8
C	9.0
B	3.3
Q855	
E	2.0
C	0
B	1.4
Q858	
E	2.8
C	9.0
B	3.3
Q859	
E	3.4
C	0.2
B	2.8
Q862	
E	1.0
C	4.1
B	1.6
Q863	
E	3.5
C	5.2
B	4.1

MODE PIN NO.	DC (V)
IC201	
1	0.3
2	0.2
3	0
4	0
5	0
6	0
7	6.2
8	0
9	4.8
10	0
11	8.8
12	1.3
13	0
14	0
15	0.2
16	0
17	0
18	0
19	0.5
20	0
21	5.0
22	5.1
23	0
24	2.1
25	1.2
26	2.1
27	0
28	0.8
29	0.4
30	0.6
IC203	
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0.6
10	0.6
11	0.5
12	0
13	0
14	0
15	0
16	5.2
IC301	
1	5.2
2	4.8
3	5.0
4	0
5	4.4
6	0
7	4.7
8	5.1
9	4.7
10	0.6
11	4.5
12	4.5
13	0
14	4.7
15	0
16	4.7
17	5.1
18	4.7
19	0.6
20	4.5
21	4.5
22	0
23	4.5
24	4.5
25	0
26	0.5
27	4.4
28	0
29	0
30	4.4
31	9.0
32	4.5
33	4.5
34	0
35	4.5
36	4.5
37	0
38	4.54
39	4.5
40	4.5
41	4.5
42	0
43	4.4
44	4.5
45	0
46	4.4
47	9.0
48	4.7

MODE PIN NO.	DC (V)
49	0.4
50	0.4
51	0
52	4.7
53	0
54	4.5
55	1.5
56	0
57	0.4
58	0
59	4.7
60	0
61	4.7
62	0.4
63	4.5
64	4.5
65	0
66	4.7
67	4.7
68	4.7
69	0
70	4.5
71	4.5
72	0
73	5.2
74	4.7
75	4.7
76	4.7
77	0
78	4.5
79	4.5
80	0
Q301	
E	3.8
C	9.0
B	4.6
Q302	
E	3.8
C	9.0
B	4.5
Q303	
E	3.8
C	9.0
B	4.5
Q307	
E	2.8
C	0
B	2.2

P.2-15 - P.2-16	
MODE PIN NO.	DC (V)
IC6001	
1	8.8
2	4.0
3	0.4
4	0.5
5	4.1
6	4.2
7	0
8	0
9	4.1
10	4.0
11	0
12	0.2
13	4.1
14	0
IC6201	
1	13.4
2	2.8
3	12.2
4	2.5
5	0
IC6521	
1	6.1
2	6.2
3	6.1
4	6.1
5	6.1
6	6.1
7	6.1
8	6.1
9	0.9
10	6.2
11	3.1
12	3.1
13	5.0
14	5.1
15	0
16	12.0
17	0
18	0
19	5.9
20	6.1
21	6.1
22	6.1
23	6.1
24	6.2
25	6.2
26	6.1
27	6.1
28	6.1
29	6.2
30	6.1
IC6551	
1	6.4
2	6.3
3	6.2
4	0
5	6.2
6	6.3
7	6.4
8	12.2
IC6552	
1	6.3
2	6.3
3	6.2
4	0
5	6.2
6	6.3
7	6.3
8	12.2
IC6621	
1	-7.0
2	0
3	0
4	-13.4
5	0
6	0
7	-7.0
8	12.7
IC6661	
1	-7.0
2	-7.3
3	0.1
4	0.3
5	13.3
6	11.8
7	0
8	-13.4
9	-0.7
10	-13.4
11	0
12	11.9
13	13.3
14	0.4
15	-2.9
16	-7.4
17	-7.7



[P.2-39 - P.2-40]	
MODE PIN NO.	DC (V)
IC7501	
1	3.3
2	0.2
3	0.2
4	3.3
5	0
6	0
7	0
8	0
9	0
10	0
11	0.3
12	3.2
13	0
14	3.3
15	0
16	0
17	0
18	0
19	0
20	0
21	2.4
22	0
23	0
24	2.5
25	0
26	0.8
27	2.4
28	0
29	0
30	1.1
31	0
32	0
33	0.8
34	0.8
35	1.6
36	0.9
37	0
38	1.0
39	2.9
40	2.5
41	0
42	3.2
43	1.6
44	2.5
45	3.3
46	3.3
47	3.2
48	0
49	0
50	3.3
51	1.5
52	0
53	3.3
54	0.7
55	0.1
56	2.1
57	0.1
58	1.1
59	1.1
60	0
61	3.3
62	0.3
63	0.2
64	1.1
65	1.5
66	0.8
67	0.5
68	0
69	3.3
70	0.5
71	0.7
72	1.0
73	3.3
74	3.3
75	3.2
76	2.0
77	1.2
78	0
79	0
80	0
81	0
82	3.2
83	0
84	0
85	3.3
86	0
87	2.4
88	0
89	3.2
90	0
91	3.2
92	0
93	0
94	0
95	0
96	0

MODE PIN NO.	DC (V)
97	0
98	3.3
99	3.2
100	0
101	3.2
102	3.3
103	3.3
104	0
105	0
106	3.2
107	0
108	0.6
109	0.3
110	0
111	2.5
112	0.3
113	0.3
114	0.2
115	0
116	2.4
117	0
118	0
119	2.5
120	0
121	0.7
122	0
123	2.4
124	2.4
125	2.4
126	1.7
127	0.5
128	0
IC7502	
1	3.3
2	3.2
3	0
4	0
IC7503	
1	3.3
2	0.2
3	3.3
4	1.2
5	1.6
6	0
7	0.7
8	0.6
9	3.3
10	1.0
11	0.9
12	0
13	0.8
14	3.3
15	0
16	3.2
17	2.5
18	2.9
19	2.4
20	1.2
21	1.1
22	0
23	0
24	0.9
25	1.6
26	0
27	3.3
28	0
29	0.7
30	2.3
31	0.8
32	2.5
33	0
34	0
35	0
36	0
37	3.2
38	1.58
39	0
40	0
41	0
42	0.3
43	3.3
44	0.2
45	0.6
46	0
47	1.0
48	0.9
49	3.3
50	0.3
51	2.0
52	0
53	1.2
54	0

MODE PIN NO.	DC (V)
IC7505	
1	4.7
2	0
3	1.3
4	2.4
5	3.3
IC7506	
1	0.2
2	3.3
3	0.1
4	0.1
5	0.1
6	0
7	0
8	0
9	0
10	0
11	0
12	3.3
13	0.4
14	3.2
15	3.3
16	3.3
IC9001	
1	8.1
2	11.9
3	3.3
4	0
5	1.2
6	1.4
7	5.3
8	0
IC9101	
1	7.3
2	11.8
3	2.4
4	0
5	1.2
6	1.4
7	5.3
8	0
IC9201	
1	6.4
2	11.8
3	1.5
4	0
5	1.2
6	1.3
7	5.1
8	0
Q7501	
E	2.6
C	0
B	2.1
Q7508	
E	0
C	0
B	0

<CONNECT> [P.2-41 - P.2-42]	
MODE PIN NO.	DC (V)
IC4201	
1	0.6
2	0.6
3	0
4	0.2
5	3.3

<FRONT CONTROL> [P.2-43 - P.2-44]	
MODE PIN NO.	DC (V)
Q7701	
E	0
C	0
B	3.2
Q7705	
E	3.0
C	2.9
B	0

<FRONT SENSOR> [P.2-45 - P.2-46]	
MODE PIN NO.	DC (V)
IC8752	
1	3.7
2	5.0
3	0

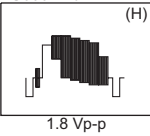
<POWER> [P.2-47 - P.2-48]	
MODE PIN NO.	DC (V)
IC9141	
1	5.7
2	0
3	5.0
IC9211	
1	2.5
2	0
3	0.7
4	0
5	2.6
6	0
7	13.1
8	20.2
Q9021	
E	0
C	0.1
B	3.1
Q9211	
S	0
D	87.8
G	13.1
Q9212	
E	0
C	10.2
B	0
Q9213	
1	20.2
2	0
3	0
4	0
5	0
6	20.2
Q9215	
E	0
C	0
B	0.6
Q9216	
E	0
C	10.7
B	0.1
Q9251	
E	0
C	10.2
B	0.5
Q9252	
E	0
C	0
B	10.7

[P.2-49 - P.2-50]	
MODE PIN NO.	DC (V)
IC9501	
4	0
7	20.3
8	0
10	4.9
11	1.1
12	4.9
13	3.0
14	0.8
15	5.0
16	1.3
19	256.5
20	255.3
23	378.2
IC9541	
1	2.4
2	0
3	9.0
IC9602	
1	0
2	4.9
3	4.9
4	5.3
5	0
6	5.3
7	0
8	0
9	0
10	0
11	0
12	0
13	5.3
14	0
15	0
16	0
IC9603	
1	0
2	2.1
3	12.0
4	2.5
5	16.2
IC9901	
1	13.4
2	11.9
3	9.1
4	0
5	1.2
6	1.2
7	3.1
8	0
Q9501	
E	0
C	0
B	0.6
Q9502	
S	0
D	0.4
G	378.2
Q9503	
E	0
C	0
B	0.6
Q9504	
S	22.6
D	20.9
G	39.8
Q9506	
E	0
C	9.9
B	0.1
Q9541	
E	0
C	0
B	3.2
Q9602	
E	11.2
C	11.8
B	11.9
Q9603	
E	0
C	0
B	5.2
Q9901	
E	0
C	0
B	0.6
CN000P	
1	12.0
2	12.0
3	12.0
4	12.0
5	12.0
6	0
7	0
8	0
9	0
10	0

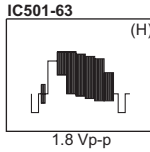
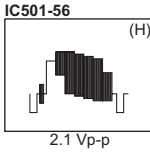
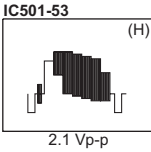
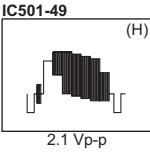
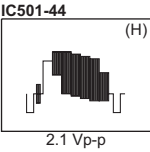
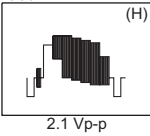
<REGULATOR> [P.2-51 - P.2-52]	
MODE PIN NO.	DC (V)
IC9802	
1	10.0
2	11.9
3	5.2
4	0
5	1.2
6	1.2
7	3.1
8	0
IC9803	
1	9.6
2	11.9
3	5.2
4	0
5	1.2
6	1.5
7	5.1
8	1.6
Q9802	
E	0
C	0
B	0.6
Q9803	
E	0
C	0
B	0.6

## WAVEFORMS

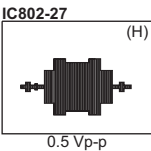
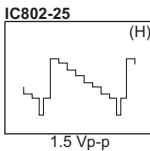
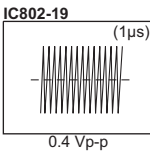
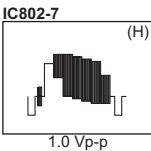
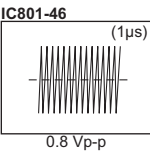
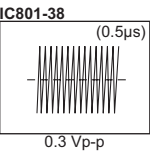
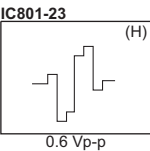
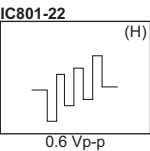
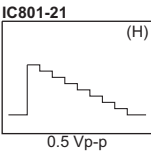
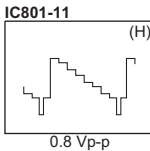
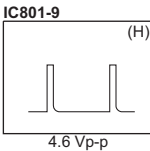
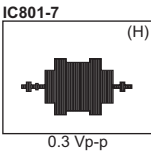
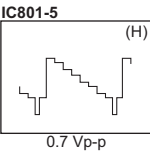
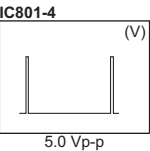
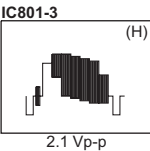
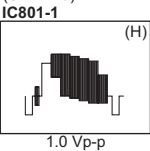
RECEIVER PWB  
(SHEET1)  
TU3001-16



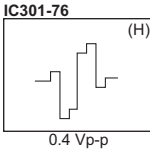
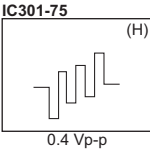
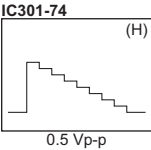
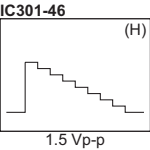
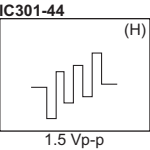
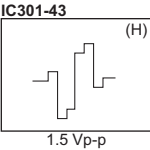
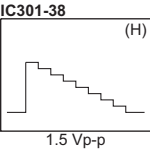
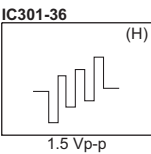
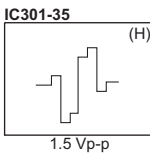
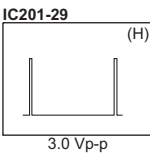
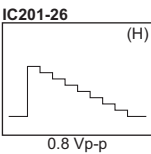
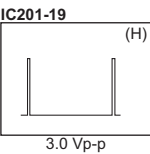
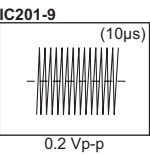
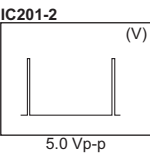
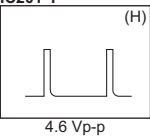
ANALOG SIGNAL PWB (1/5)  
(SHEET2)  
IC501-41



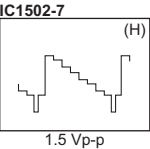
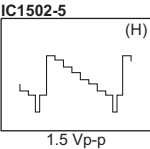
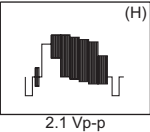
ANALOG SIGNAL PWB (2/5)  
(SHEET3)  
IC801-1



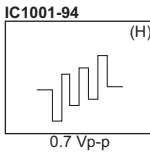
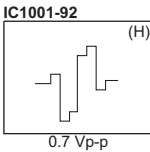
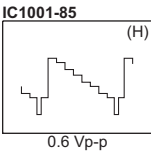
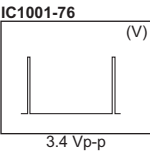
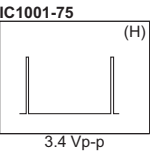
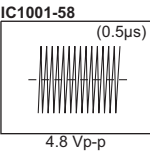
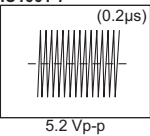
ANALOG SIGNAL  
PWB (3/5) (SHEET4)  
IC201-1



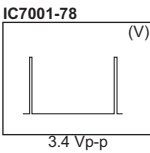
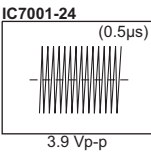
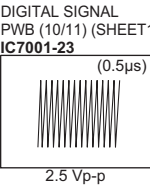
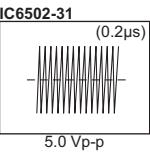
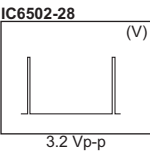
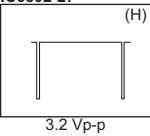
DIGITAL SIGNAL  
PWB (1/11) (SHEET7)  
IC1502-1



DIGITAL SIGNAL  
PWB (3/11) (SHEET9)  
IC1001-7



DIGITAL SIGNAL  
PWB (7/11) (SHEET13)  
IC6502-27





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(No.YA203)



Printed in Japan  
VPT

# PARTS LIST

## CAUTION

- The parts identified by the  $\Delta$  symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- P.W. BOARD Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

### ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

RESISTORS		CAPACITORS	
CR	Carbon Resistor	C CAP.	Ceramic Capacitor
FR	Fusible Resistor	E CAP.	Electrolytic Capacitor
PR	Plate Resistor	M CAP.	Mylar Capacitor
VR	Variable Resistor	CH CAP.	Chip Capacitor
HV R	High Voltage Resistor	HV CAP.	High Voltage Capacitor
MF R	Metal Film Resistor	MF CAP.	Metalized Film Capacitor
MG R	Metal Glazed Resistor	MM CAP.	Metalized Mylar Capacitor
MP R	Metal Plate Resistor	MP CAP.	Metalized Polystyrol Capacitor
OM R	Metal Oxide Film Resistor	PP CAP.	Polypropylene Capacitor
CMF R	Coating Metal Film Resistor	PS CAP.	Polystyrol Capacitor
UNF R	Non-Flammable Resistor	TF CAP.	Thin Film Capacitor
CH V R	Chip Variable Resistor	MPP CAP.	Metalized Polypropylene Capacitor
CH MG R	Chip Metal Glazed Resistor	TAN. CAP.	Tantalum Capacitor
COMP. R	Composition Resistor	CH C CAP.	Chip Ceramic Capacitor
LPTC R	Linear Positive Temperature Coefficient Resistor	BP E CAP.	Bi-Polar Electrolytic Capacitor
		CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
		CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
		CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
		CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

RESISTORS									
F	G	J	K	M	N	R	H	Z	P
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%

# CONTENTS

<b>USING P.W. BOARD &amp; REMOTE CONTROL UNIT .....</b>	<b>3-2</b>
<b>EXPLODED VIEW PARTS LIST .....</b>	<b>3-3</b>
<b>EXPLODED VIEW .....</b>	<b>3-4</b>

<b>PRINTED WIRING BOARD PARTS LIST .....</b>	<b>3-6</b>
ANALOG SIGNAL P.W. BOARD ASS'Y (SFL-1023A-U2) .....	3-6
CONNECTOR P.W. BOARD ASS'Y (SFL-4021A-U2) .....	3-10
FRONT CONTROL P.W. BOARD ASS'Y (SFL-7021A-U2) .....	3-11
FRONT SENSOR P.W. BOARD ASS'Y (SFL-8021A-U2) .....	3-11
POWER P.W. BOARD ASS'Y (SFL-9007A-U2) .....	3-11
REGULATOR P.W. BOARD ASS'Y (SFL-9107A-U2) .....	3-12
DIGITAL SIGNAL P.W. BOARD ASS'Y (LCA10428-59A)(SFL-0D201A) .....	3-13
RECEIVER P.W. BOARD ASS'Y (SFL0F201A-U2) .....	3-19

<b>REMOTE CONTROL UNIT PARTS LIST (RM-C1811H-1C) .....</b>	<b>3-20</b>
<b>PACKING PARTS LIST .....</b>	<b>3-20</b>
<b>PACKING .....</b>	<b>3-21</b>

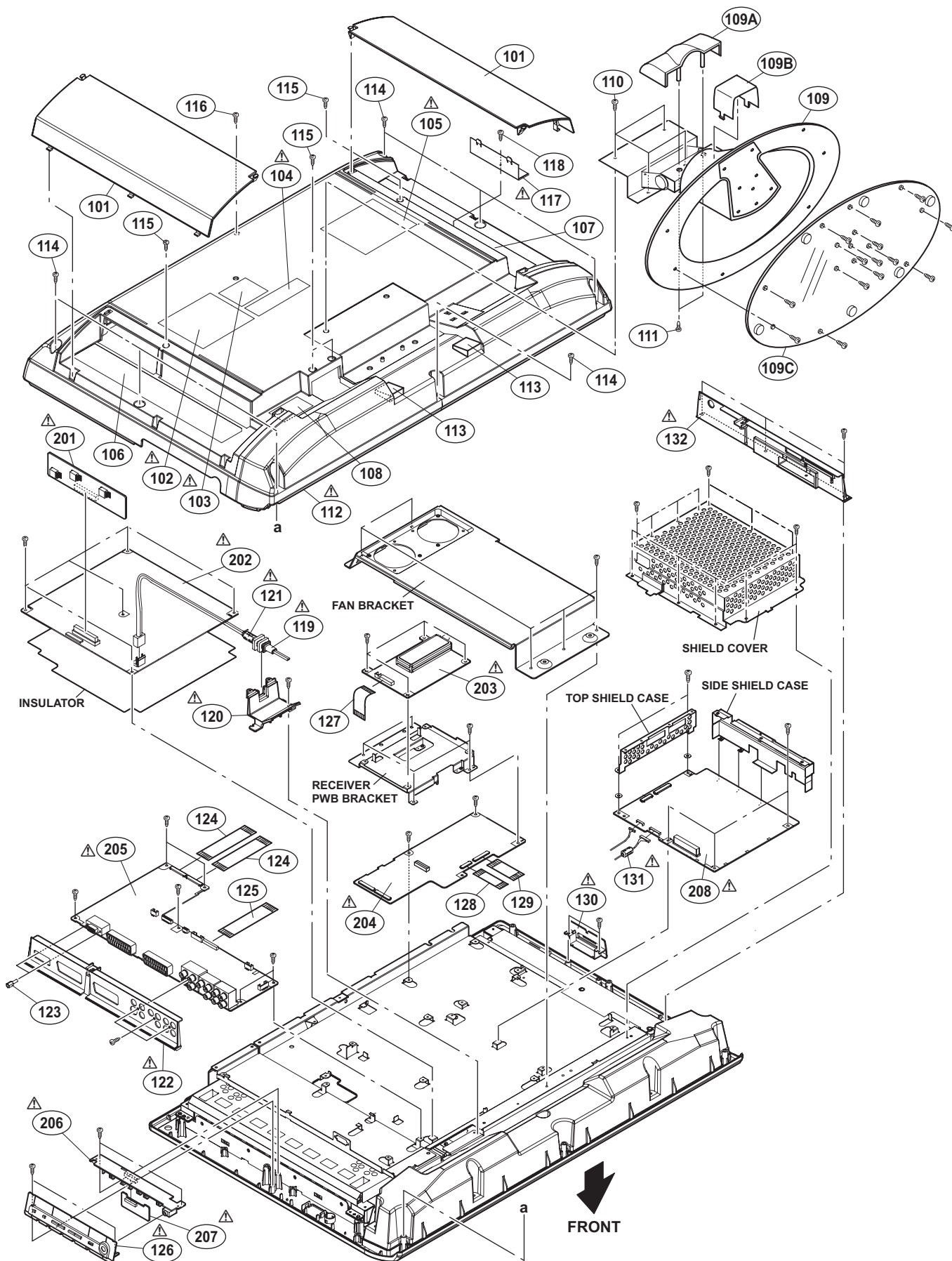
## USING P.W. BOARD & REMOTE CONTROL UNIT

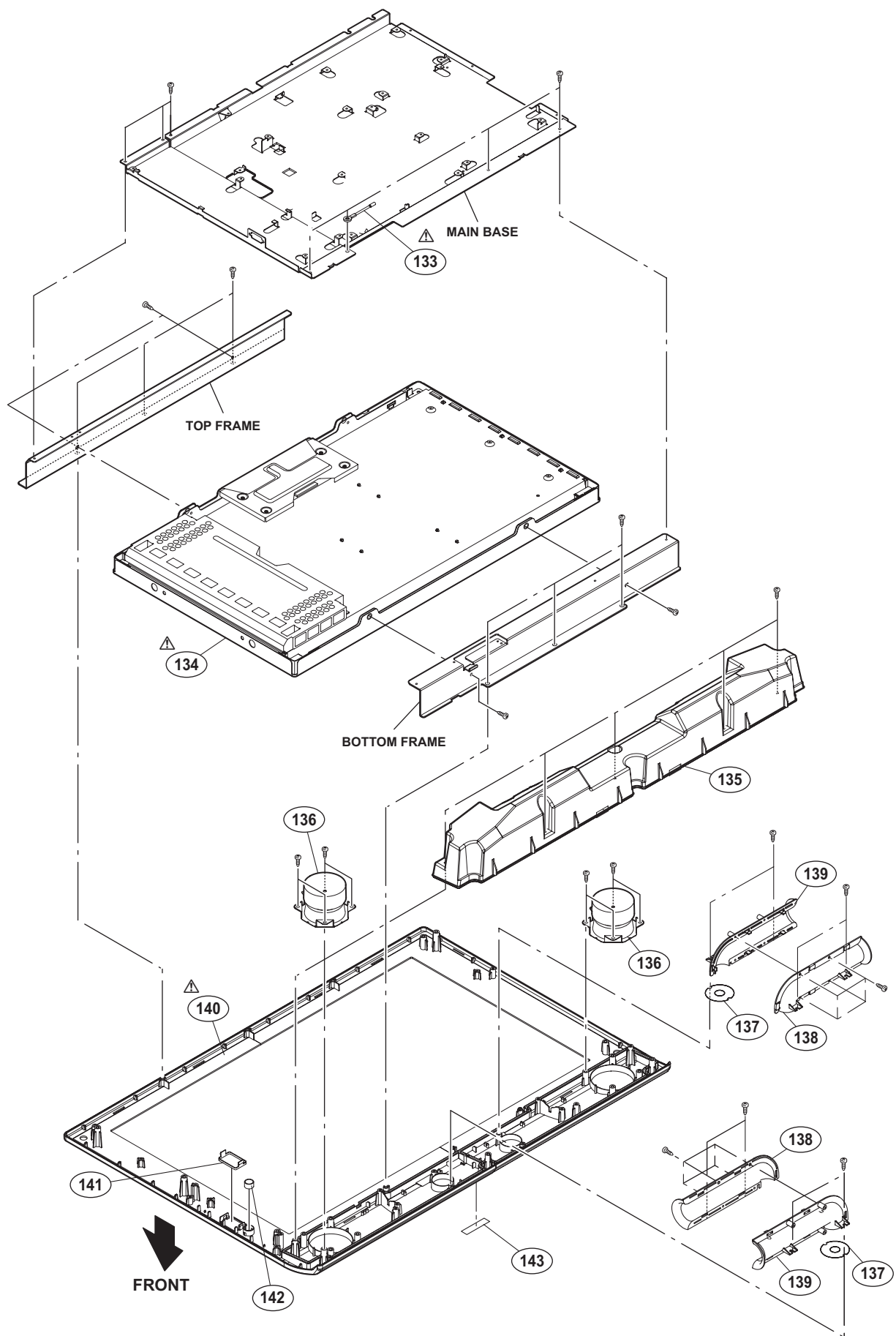
P.W.B ASS'Y	LT-26C50BU	LT-26C50SU
ANALOG SIGNAL P.W.B	SFL-1023A-U2	←
CONNECTOR P.W.B	SFL-4021A-U2	←
FRONT CONTROL P.W.B	SFL-7021A-U2	←
FRONT SENSOR P.W.B	SFL-8021A-U2	←
POWER P.W.B	SFL-9007A-U2	←
REGULATOR P.W.B	SFL-9107A-U2	←
DIGITAL SIGNAL P.W.B	LCA10428-59A(SFL-0D201A)	←
RECEIVER P.W.B	SFL0F201A-U2	←
REMOTE CONTROL UNIT	RM-C1811H-1C	←

# EXPLODED VIEW PARTS LIST

△ Ref.No.	Part No.	Part Name	Description	Local
101	LC12035-001A-U	JACK COVER	(x2)	
△ 102	LC21301-025A-U	RATING LABEL		LT-26C50BU
△ 102	LC21301-027A-U	RATING LABEL		LT-26C50SU
△ 103	LC30789-002B-U	WARNING LABEL		
△ 104	LC42090-002A-H	LICENSE LABEL		
△ 105	LC21300-020A-U	RATING LABEL		
106	LC32748-003A-H	OPERATION SHEET		
107	LC32749-003A-H	OPERATION SHEET		
△ 108	LC41999-004A-H	CAUTION LABEL		
109	AEM1156-001A-U	STAND ASSY	Inc.No.109A/109B/109C	
109A	AEM2310-001A-U	STAND COVER		
109B	AEM3459-001A-U	CORD COVER		
109C	AEM2334-001A-U	GRASS		
110	QYSPSPD5014MA	SCREW	M5 x 14mm(x4)	
111	QYSPSPD3016ZA	SCREW	M3 x 16mm(x2)	
△ 112	LC12034-001A-U	REAR COVER		
113	LC32864-001A-C	STICK SHEET	(x2)	
114	QYSBSFG4016MA	TAP SCREW	M4 x 16mm(x7)	
115	QYSBSF3010MA	TAP SCREW	M3 x 10mm(x4)	
116	QYSPSPD3008MA	SCREW	M3 x 8mm	
△ 117	LC32760-001A-HK	SERVICE COVER		
118	QYSBSF3010MA	TAP SCREW	M3 x 10mm	
△ 119	QMPK300-170-JC	POWER CORD(EU)	1.7m BLACK	
△ 120	LC21348-001D-HK	POWER CORD HOLDER		
△ 121	QQR0491-001	FERRITE CORE		
△ 122	LC21596-003A-HK	TERMINAL BASE		
123	QNB0036-001	HEX SCREW	(x2)	
124	QUQ105-5009AE	FFC WIRE	50pin 9cm	
125	QUQ212-1906CH	FFC WIRE	19pin 6cm	
△ 126	LC32351-010A-OK	CONTROL KNOB ASSY		
127	QUQ105-4006AL	FFC WIRE	40pin 6cm	
128	QUQ105-3004AA	FFC WIRE	30pin 4cm	
129	QUQ105-5004AA	FFC WIRE	50pin 4cm	
△ 130	LC32698-002B-HK	SIDE BASE		
△ 131	QQR0490-001	NOISE FILTER		
△ 132	LC21597-003A-HK	TUNER BASE		
△ 133	QUB190-12FXHM	SIN TWIST WIRE		
△ 134	QLD0342-001	LCD PANEL UNIT		
135	LC11633-002A-U	SPEAKER BOX		
136	QAS0142-001	SPEAKER	SP01/SP02(x2)	
137	LC42001-001B	DUCT SHEET	(x2)	
138	LC21339-002A-U	DUCT BASE	(x2)	
139	LC21340-002A-U	DUCT COVER	(x2)	
△ 140	LC12032-001A-U	FRONT PANEL ASSY		LT-26C50BU
△ 140	LC12032-002A-U	FRONT PANEL ASSY		LT-26C50SU
141	LC32747-001C-HK	SENSOR WINDOW		LT-26C50BU
141	LC32747-002C-HK	SENSOR WINDOW		LT-26C50SU
142	LC41901-001C-HK	LED LENS		
143	LC41852-001A	JVC MARK ASSY		
△ 201	SFL-9107A-U2	REGULATOR PWB		
△ 202	SFL-9007A-U2	POWER PWB		
△ 203	SFL0F201A-U2	RECEIVER PWB		
△ 204	SFL-4021A-U2	CONNECTOR PWB		
△ 205	SFL-1023A-U2	ANALOG SIGNAL PWB		
△ 206	SFL-7021A-U2	FRONT CONTROL PWB		
△ 207	SFL-8021A-U2	FRONT SENSOR PWB		
△ 208	LCA10428-59A	DIGITAL SIGNAL PWB		

# EXPLODED VIEW





# PRINTED WIRING BOARD PARTS LIST

## ANALOG SIGNAL P.W. BOARD ASS'Y (SFL-1023A-U2)

△Ref No.	Part No.	Part Name	Description Local
IC201	TA1370FG-X	IC	
IC203	CD74HC4053PW-X	IC	
IC301	AN15852A	IC	
IC501	CXA2069Q	IC	
IC502	MM1510XN-X	IC	
IC503	MM1510XN-X	IC	
IC711	CXA1875AM-X	IC	
IC801	TB1274AF	IC	
IC802	TC90A69AF-X	IC	
IC902	TA48M033F-X	IC	
IC6001	NJM2777M-X	IC	
IC6201	PQ20WZ11-X	IC	
IC6521	NJW1137M-W	IC	
IC6551	RC4558D-X	IC	
IC6552	RC4558D-X	IC	
IC6621	LM393DR-X	IC	
IC6661	TDA8925ST/N1	IC	
Q301	2SC3837K/NP/-X	TRANSISTOR	
Q302	2SC3837K/NP/-X	TRANSISTOR	
Q303	2SC3837K/NP/-X	TRANSISTOR	
Q307	2SA1530A/QR/-X	TRANSISTOR	
Q402	2SK1374-X	MOS FET	
Q403	2SK1374-X	MOS FET	
Q404	2SK1374-X	MOS FET	
Q405	2SK1374-X	MOS FET	
Q507	2SA1530A/QR/-X	TRANSISTOR	
Q508	2SA1530A/QR/-X	TRANSISTOR	
Q801	2SA1530A/QR/-X	TRANSISTOR	
Q802	2SA1530A/QR/-X	TRANSISTOR	
Q804	2SC3928A/QR/-X	TRANSISTOR	
Q805	2SC3928A/QR/-X	TRANSISTOR	
Q806	2SC3928A/QR/-X	TRANSISTOR	
Q807	2SC3928A/QR/-X	TRANSISTOR	
Q808	2SC3928A/QR/-X	TRANSISTOR	
Q809	2SC3928A/QR/-X	TRANSISTOR	
Q810	2SA1530A/QR/-X	TRANSISTOR	
Q851	2SA1530A/QR/-X	TRANSISTOR	
Q853	2SC3928A/QR/-X	TRANSISTOR	
Q854	2SC3928A/QR/-X	TRANSISTOR	
Q855	2SA1530A/QR/-X	TRANSISTOR	
Q858	2SC3928A/QR/-X	TRANSISTOR	
Q859	2SA1530A/QR/-X	TRANSISTOR	
Q862	2SC3928A/QR/-X	TRANSISTOR	
Q863	2SC3928A/QR/-X	TRANSISTOR	
Q901	BA09FP-X	IC	
Q902	2SC3074/OY/-X	TRANSISTOR	
Q2051	UN2226-X	DIGI TRANSISTOR	
Q2052	UN2226-X	DIGI TRANSISTOR	
Q2053	UN2110-X	DIGI TRANSISTOR	
Q2151	UN2226-X	DIGI TRANSISTOR	
Q2152	UN2226-X	DIGI TRANSISTOR	
Q2153	UN2110-X	DIGI TRANSISTOR	
Q2171	2SC3928A/QR/-X	TRANSISTOR	
Q2172	2SC3928A/QR/-X	TRANSISTOR	
Q2173	UN2112-X	DIGI TRANSISTOR	
Q2451	UN2226-X	DIGI TRANSISTOR	
Q2452	UN2226-X	DIGI TRANSISTOR	
Q2453	UN2110-X	DIGI TRANSISTOR	
Q6301	2SC3928A/QR/-X	TRANSISTOR	
Q6302	2SC3928A/QR/-X	TRANSISTOR	
Q6421	2SC3928A/QR/-X	TRANSISTOR	
Q6431	2SA1530A/QR/-X	TRANSISTOR	
Q6521	2SC3928A/QR/-X	TRANSISTOR	
Q6522	2SC3928A/QR/-X	TRANSISTOR	
Q6523	2SA1530A/QR/-X	TRANSISTOR	
Q6531	2SC3928A/QR/-X	TRANSISTOR	
Q6532	2SC3928A/QR/-X	TRANSISTOR	
Q6533	2SC3928A/QR/-X	TRANSISTOR	
Q6534	2SA1530A/QR/-X	TRANSISTOR	
Q6538	2SC3928A/QR/-X	TRANSISTOR	
Q6539	2SC3928A/QR/-X	TRANSISTOR	
Q6661	UN2112-X	DIGI TRANSISTOR	
Q6662	2SC3928A/QR/-X	TRANSISTOR	
Q6663	UN2212-X	DIGI TRANSISTOR	
Q6672	2SC3928A/QR/-X	TRANSISTOR	
Q6673	2SA1530A/QR/-X	TRANSISTOR	
D541	MA8100/M/-X	Z DIODE	
D551	MA8100/M/-X	Z DIODE	

△Ref No.	Part No.	Part Name	Description Local
D901	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
D903	PTZ11B-X	Z DIODE	
D904	PTZ6.8B-X	Z DIODE	
D2001	MA8100/M/-X	Z DIODE	
D2002	MA8100/M/-X	Z DIODE	
D2003	MA8100/M/-X	Z DIODE	
D2004	MA8100/M/-X	Z DIODE	
D2005	MA8100/M/-X	Z DIODE	
D2101	MA8100/M/-X	Z DIODE	
D2102	MA8100/M/-X	Z DIODE	
D2103	MA8100/M/-X	Z DIODE	
D2104	MA8100/M/-X	Z DIODE	
D2105	MA8100/M/-X	Z DIODE	
D2106	MA8100/M/-X	Z DIODE	
D2107	MA8100/M/-X	Z DIODE	
D2201	MA8100/M/-X	Z DIODE	
D2202	MA8100/M/-X	Z DIODE	
D2203	MA8100/M/-X	Z DIODE	
D2204	MA8100/M/-X	Z DIODE	
D2205	MA8100/M/-X	Z DIODE	
D2206	MA8100/M/-X	Z DIODE	
D2207	MA8100/M/-X	Z DIODE	
D2301	MA8100/M/-X	Z DIODE	
D2302	MA8100/M/-X	Z DIODE	
D2303	MA8100/M/-X	Z DIODE	
D2304	MA8100/M/-X	Z DIODE	
D2305	MA8100/M/-X	Z DIODE	
D2601	MA8100/M/-X	Z DIODE	
D2602	MA8100/M/-X	Z DIODE	
D2603	MA8100/M/-X	Z DIODE	
D2604	MA8100/M/-X	Z DIODE	
D2605	MA8100/M/-X	Z DIODE	
D2606	MA8100/M/-X	Z DIODE	
D6001	MA111-X	SI DIODE	
D6002	MA111-X	SI DIODE	
D6201	MA111-X	SI DIODE	
D6431	MA111-X	SI DIODE	
D6432	MA111-X	SI DIODE	
D6433	MA111-X	SI DIODE	
D6501	MA111-X	SI DIODE	
D6502	MA111-X	SI DIODE	
D6503	MA111-X	SI DIODE	
D6504	MA111-X	SI DIODE	
D6601	MA8062/M/-X	Z DIODE	
D6663	MA8033-X	Z DIODE	
D6664	MA111-X	SI DIODE	
D6671	MA8200-X	Z DIODE	
D6672	MA8200-X	Z DIODE	
D6673	MA8200-X	Z DIODE	
D6674	MA8200-X	Z DIODE	
D6681	MA111-X	SI DIODE	
D6682	MA111-X	SI DIODE	
D6683	MA111-X	SI DIODE	
DB201	MA8033-X	Z DIODE	
C201	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C202	NEH71HM-225X	E CAPACITOR	2.2uF 50V M
C203	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C204	NEH71AM-107X	E CAPACITOR	100uF 10V M
C205	NEH71HM-105X	E CAPACITOR	1uF 50V M
C206	NCB11CK-105X	C CAPACITOR	1uF 16V K
C207	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C208	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C301	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C302	NEH71CM-476X	E CAPACITOR	47uF 16V M
C303	NRSA02J-221X	MG RESISTOR	220Ω 1/10W J
C304	NRSA02J-221X	MG RESISTOR	220Ω 1/10W J
C305	NRSA02J-221X	MG RESISTOR	220Ω 1/10W J
C306	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C307	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C308	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C309	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C310	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C313	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C314	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C315	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C316	NCB11CK-105X	C CAPACITOR	1uF 16V K
C317	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C318	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C319	NEH71CM-476X	E CAPACITOR	47uF 16V M
C320	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C321	NEH71CM-106X	E CAPACITOR	10uF 16V M
C322	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C323	QETN1AM-228Z	E CAPACITOR	2200uF 10V M



△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C324	NCB11CK-105X	C CAPACITOR	1uF 16V K	C868	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C325	NCB11CK-105X	C CAPACITOR	1uF 16V K	C869	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C326	NCB11CK-105X	C CAPACITOR	1uF 16V K	C870	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C327	NCB11CK-105X	C CAPACITOR	1uF 16V K	C872	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C328	NCB11CK-105X	C CAPACITOR	1uF 16V K	C873	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C329	NCB11CK-105X	C CAPACITOR	1uF 16V K	C874	NDC31HJ-150X	C CAPACITOR	15pF 50V J
C330	NCB11CK-105X	C CAPACITOR	1uF 16V K	C875	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C341	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C876	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C342	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C877	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C344	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C878	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C345	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C879	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C349	NEH71HM-106X	E CAPACITOR	10uF 50V M	C880	NEH71AM-107X	E CAPACITOR	100uF 10V M
C372	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C881	NEH71AM-107X	E CAPACITOR	100uF 10V M
C382	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C882	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C392	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C883	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C403	NEH71CM-476X	E CAPACITOR	47uF 16V M	C884	NEH71AM-107X	E CAPACITOR	100uF 10V M
C404	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C885	NEH71AM-107X	E CAPACITOR	100uF 10V M
C405	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	C886	NEH71HM-106X	E CAPACITOR	10uF 50V M
C406	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	C887	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C501	NEH71CM-476X	E CAPACITOR	47uF 16V M	C888	NEH71AM-107X	E CAPACITOR	100uF 10V M
C502	NEH71CM-476X	E CAPACITOR	47uF 16V M	C889	NEH71HM-106X	E CAPACITOR	10uF 50V M
C503	NEN51EM-106X	BP E CAPACITOR	10uF 25V M	C890	NEH71HM-106X	E CAPACITOR	10uF 50V M
C504	NEH71HM-106X	E CAPACITOR	10uF 50V M	C891	NEH71CM-476X	E CAPACITOR	47uF 16V M
C505	NEN51EM-106X	BP E CAPACITOR	10uF 25V M	C892	NDC31HJ-180X	C CAPACITOR	18pF 50V J
C508	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C894	NDC31HJ-180X	C CAPACITOR	18pF 50V J
C509	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C895	NDC31HJ-680X	C CAPACITOR	68pF 50V J
C515	NCB11CK-105X	C CAPACITOR	1uF 16V K	C904	NCB11AK-106X	C CAPACITOR	10uF 10V K
C516	NEH71CM-106X	E CAPACITOR	10uF 16V M	C905	NEH91CM-476X	E CAPACITOR	47uF 16V M
C518	NEH71AM-107X	E CAPACITOR	100uF 10V M	C906	NEH91CM-476X	E CAPACITOR	47uF 16V M
C519	NEH71CM-106X	E CAPACITOR	10uF 16V M	C912	NEH71CM-476X	E CAPACITOR	47uF 16V M
C520	NCB11CK-105X	C CAPACITOR	1uF 16V K	C913	NEX51CM-335X	E CAPACITOR	3.3uF 16V M
C521	NEH71CM-106X	E CAPACITOR	10uF 16V M	C914	NEX50JM-156X	E CAPACITOR	15uF 6.3V M
C522	NEH71AM-107X	E CAPACITOR	100uF 10V M	C915	NEH71CM-476X	E CAPACITOR	47uF 16V M
C523	NEH71CM-106X	E CAPACITOR	10uF 16V M	C916	NEX50JM-156X	E CAPACITOR	15uF 6.3V M
C711	NEH71CM-106X	E CAPACITOR	10uF 16V M	C2001	NCB11AK-106X	C CAPACITOR	10uF 10V K
C712	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C2005	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C801	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C2006	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C802	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C2008	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C803	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C2009	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C804	NEH71CM-476X	E CAPACITOR	47uF 16V M	C2010	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C805	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C2011	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C806	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C2051	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C807	NEH71CM-476X	E CAPACITOR	47uF 16V M	C2052	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C808	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C2053	NCB31CK-105X	C CAPACITOR	1uF 16V K
C809	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	C2101	NCB11AK-106X	C CAPACITOR	10uF 10V K
C810	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C2105	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C811	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C2106	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C812	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C2107	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C813	NEH71CM-476X	E CAPACITOR	47uF 16V M	C2108	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C814	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C2109	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C815	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C2110	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C816	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C2151	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C817	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C2152	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C818	NEH71HM-106X	E CAPACITOR	10uF 50V M	C2153	NCB31CK-105X	C CAPACITOR	1uF 16V K
C819	NDC31HJ-100X	C CAPACITOR	10pF 50V J	C2201	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C820	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	C2202	NCB11AK-106X	C CAPACITOR	10uF 10V K
C821	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C2203	NCB11AK-106X	C CAPACITOR	10uF 10V K
C822	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	C2204	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C823	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	C2205	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C824	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C2206	NCB31CK-105X	C CAPACITOR	1uF 16V K
C825	NDC31HJ-180X	C CAPACITOR	18pF 50V J	C2207	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C826	NEH71EM-226X	E CAPACITOR	22uF 25V M	C2208	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C827	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	C2301	NCB21AK-225X	C CAPACITOR	2.2uF 10V K
C829	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C2302	NCB31CK-105X	C CAPACITOR	1uF 16V K
C830	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C2303	NCB31CK-105X	C CAPACITOR	1uF 16V K
C831	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C2306	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C832	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C2307	NCB31CK-105X	C CAPACITOR	1uF 16V K
C833	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C2308	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C834	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C2309	NCB31CK-105X	C CAPACITOR	1uF 16V K
C835	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C2310	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C850	NDC31HJ-180X	C CAPACITOR	18pF 50V J	C2311	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C851	NDC31HJ-560X	C CAPACITOR	56pF 50V J	C2401	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C852	NDC31HJ-560X	C CAPACITOR	56pF 50V J	C2402	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C853	NEH71CM-476X	E CAPACITOR	47uF 16V M	C2451	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C854	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C2452	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C855	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C2453	NCB31CK-105X	C CAPACITOR	1uF 16V K
C856	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C2601	NCB31CK-105X	C CAPACITOR	1uF 16V K
C857	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C2602	NCB31CK-105X	C CAPACITOR	1uF 16V K
C858	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C2603	NCB31CK-105X	C CAPACITOR	1uF 16V K
C859	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	C6001	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C860	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C6002	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C861	NDC31HJ-681X	C CAPACITOR	680pF 50V J	C6003	NEH71AM-107X	E CAPACITOR	100uF 10V M
C862	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C6004	NEH71AM-107X	E CAPACITOR	100uF 10V M
C863	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C6005	NEH71HM-105X	E CAPACITOR	1uF 50V M
C864	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C6006	NEH71HM-105X	E CAPACITOR	1uF 50V M
C865	NDC31HJ-560X	C CAPACITOR	56pF 50V J	C6007	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C866	NDC31HJ-560X	C CAPACITOR	56pF 50V J	C6008	NEH71HM-106X	E CAPACITOR	10uF 50V M

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C6009	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	C6679	QFVE1HJ-474	MF CAPACITOR	0.47uF 50V J
C6201	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C6680	NCB31HK-153X	C CAPACITOR	0.015uF 50V K
C6202	NEH71EM-336X	E CAPACITOR	33uF 25V M	C6681	NDC31HJ-561X	C CAPACITOR	560pF 50V J
C6203	NEH71EM-336X	C CAPACITOR	33uF 25V M	C6682	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6204	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	C6683	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6205	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C6684	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6301	NEN51CM-475X	BP E CAPACITOR	4.7uF 16V M	C6685	QETN1EM-477Z	E CAPACITOR	470uF 25V M
C6302	NEN51CM-475X	BP E CAPACITOR	4.7uF 16V M	C6687	QETN1EM-477Z	E CAPACITOR	470uF 25V M
C6421	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6688	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6431	NEH71CM-476X	E CAPACITOR	47uF 16V M	C6691	NEH71HM-106X	E CAPACITOR	10uF 50V M
C6505	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	C6692	NEH71CM-106X	E CAPACITOR	10uF 16V M
C6510	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	C6693	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C6517	NDC31HJ-100X	C CAPACITOR	10pF 50V J	R201	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6518	NDC31HJ-100X	C CAPACITOR	10pF 50V J	R202	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6521	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	R203	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
C6522	NCB31HK-332X	C CAPACITOR	3300pF 50V K	R204	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C6523	NCB31HK-333X	C CAPACITOR	0.033uF 50V K	R207	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6525	NCB31HK-472X	C CAPACITOR	4700pF 50V K	R208	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6526	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R210	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6527	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	R211	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C6528	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	R212	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C6529	NCB31HK-332X	C CAPACITOR	3300pF 50V K	R213	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6530	NCB31HK-333X	C CAPACITOR	0.033uF 50V K	R214	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C6532	NCB31HK-472X	C CAPACITOR	4700pF 50V K	R216	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C6533	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R220	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C6534	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	R302	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6535	NEH71HM-105X	E CAPACITOR	1uF 50V M	R303	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6536	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R316	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6537	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	R317	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6538	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	R318	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6539	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R321	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6540	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	R322	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6541	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	R323	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6542	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	R326	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6543	NEH71CM-476X	E CAPACITOR	47uF 16V M	R327	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6544	NEH71HM-105X	E CAPACITOR	1uF 50V M	R328	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6545	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R334	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C6546	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R335	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C6551	NEH71HM-105X	E CAPACITOR	1uF 50V M	R336	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
C6552	NEH71HM-105X	E CAPACITOR	1uF 50V M	R372	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C6553	NCB31CK-683X	C CAPACITOR	0.068uF 16V K	R374	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
C6554	NCB31CK-683X	C CAPACITOR	0.068uF 16V K	R375	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C6555	NCB31CK-683X	C CAPACITOR	0.068uF 16V K	R382	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C6556	NCB31CK-683X	C CAPACITOR	0.068uF 16V K	R384	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
C6557	NEH71CM-476X	E CAPACITOR	47uF 16V M	R385	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C6559	NEH71CM-476X	E CAPACITOR	47uF 16V M	R392	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C6561	NEH71HM-105X	E CAPACITOR	1uF 50V M	R394	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
C6562	NEH71HM-225X	E CAPACITOR	2.2uF 50V M	R395	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C6563	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	R402	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C6564	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	R403	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C6567	NCB11EK-105X	C CAPACITOR	1uF 25V K	R404	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C6568	NCB11EK-105X	C CAPACITOR	1uF 25V K	R405	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C6585	NEH71CM-106X	E CAPACITOR	10uF 16V M	R409	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C6586	NEH71CM-106X	E CAPACITOR	10uF 16V M	R410	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C6601	NDC31HJ-101X	C CAPACITOR	100pF 50V J	R501	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C6602	NDC31HJ-101X	C CAPACITOR	100pF 50V J	R502	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C6605	NEH71CM-476X	E CAPACITOR	47uF 16V M	R503	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C6621	NCB31HK-332X	C CAPACITOR	3300pF 50V K	R504	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C6622	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	R505	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C6623	NEH71EM-226X	E CAPACITOR	22uF 25V M	R508	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C6624	NCB31HK-222X	C CAPACITOR	2200pF 50V K	R509	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C6625	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	R510	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C6626	NCB31HK-222X	C CAPACITOR	2200pF 50V K	R511	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C6627	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	R512	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C6628	NEH71EM-226X	E CAPACITOR	22uF 25V M	R513	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C6629	NCB31HK-222X	C CAPACITOR	2200pF 50V K	R514	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C6630	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	R516	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C6631	NCB31HK-222X	C CAPACITOR	2200pF 50V K	R517	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C6632	NCB31HK-332X	C CAPACITOR	3300pF 50V K	R518	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C6661	NCB11EK-105X	C CAPACITOR	1uF 25V K	R520	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C6662	NCB11EK-105X	C CAPACITOR	1uF 25V K	R521	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C6663	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R522	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C6664	QETN1HM-226Z	E CAPACITOR	22uF 50V M	R523	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C6665	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R524	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C6666	QETN1HM-226Z	E CAPACITOR	22uF 50V M	R527	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C6667	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R529	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C6668	NDC31HJ-561X	C CAPACITOR	560pF 50V J	R530	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C6669	QFV21HJ-224Z	MF CAPACITOR	0.22uF 50V J	R531	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C6670	QFVE1HJ-474	MF CAPACITOR	0.47uF 50V J	R534	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C6671	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	R535	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C6672	QETN1EM-477Z	E CAPACITOR	470uF 25V M	R536	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C6673	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R537	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C6674	QETN1EM-477Z	E CAPACITOR	470uF 25V M	R538	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
C6675	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R539	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6676	NDC31HJ-561X	C CAPACITOR	560pF 50V J	R540	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
C6677	NDC31HJ-561X	C CAPACITOR	560pF 50V J	R542	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C6678	QFV21HJ-224Z	MF CAPACITOR	0.22uF 50V J				

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R543	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	R877	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R544	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	R879	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R545	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	R883	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R552	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	R884	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R553	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	R885	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R554	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	R886	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R556	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R887	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R571	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R888	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R572	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R889	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R573	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R893	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R574	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R907	NRS12BJ-0R0W	MG RESISTOR	0Ω 1/2W J
R575	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R908	NRS12BJ-471W	MG RESISTOR	470Ω 1/2W J
R576	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R909	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R577	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R917	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R578	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R2001	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R579	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R2002	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R711	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R2003	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R712	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R2004	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R713	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R2005	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R714	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R2006	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R715	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R2051	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R716	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R2052	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R717	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R2053	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R718	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R2054	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R719	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R2055	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R720	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R2056	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R721	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R2057	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R722	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R2058	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R801	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R2101	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R802	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R2102	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R803	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R2103	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R804	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R2104	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R805	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R2105	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R806	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R2106	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R807	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J	R2151	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R808	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R2152	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R809	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R2153	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R810	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	R2154	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R811	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	R2155	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R812	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	R2156	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R813	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	R2157	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R814	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	R2158	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R815	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	R2159	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R816	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	R2160	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R817	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R2163	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R818	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R2171	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R819	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R2172	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R820	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	R2173	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R821	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	R2201	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R822	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	R2202	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R823	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	R2203	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R824	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	R2204	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R825	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	R2205	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R826	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	R2301	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R827	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	R2302	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R828	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	R2303	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R829	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	R2304	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R830	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	R2305	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R831	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	R2401	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R832	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	R2402	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R833	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	R2451	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R834	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	R2452	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R835	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	R2453	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R836	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	R2454	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R837	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	R2455	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R838	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R2456	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R839	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R2457	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R840	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R2458	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R851	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R2601	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R852	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R2602	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R853	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	R2603	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R854	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	R2604	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R855	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R2605	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R856	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	R6001	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R859	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	R6002	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R860	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R6003	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R861	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R6004	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R862	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	R6005	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R863	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	R6006	QRL039J-330	OMF RESISTOR	33Ω 3W J
R864	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R6201	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R865	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R6202	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R866	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R6203	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
R867	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R6204	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R869	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R6205	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R873	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	R6301	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R874	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R6302	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R876	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R6303	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R6304	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R6667	QRK129J-220	UNF C RESISTOR	22Ω 1/2W J
R6305	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R6668	QRK129J-5R6	UNF C RESISTOR	5.6Ω 1/2W J
R6306	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R6669	QRK129J-220	UNF C RESISTOR	22Ω 1/2W J
R6307	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R6670	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R6308	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R6671	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6309	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R6673	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R6310	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R6674	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6409	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R6675	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R6423	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R6676	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6424	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R6677	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6425	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R6680	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6431	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	R6681	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R6432	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R6682	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R6515	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R6683	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6516	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	R6684	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R6517	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R6685	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R6518	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	R6686	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R6519	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R6691	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R6520	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RB203	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R6521	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	RB802	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6522	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	L201	NQL034K-101X	P COIL	100uH K
R6523	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	L807	NQR0413-003X	FERRITE BEADS	
R6524	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	L808	NQR0413-003X	FERRITE BEADS	
R6525	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	L809	NQR0413-003X	FERRITE BEADS	
R6526	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	L851	NQL092K-6R8X	P COIL	6.8uH K
R6527	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	L852	NQL092K-6R8X	P COIL	6.8uH K
R6528	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	L853	NQL092K-6R8X	P COIL	6.8uH K
R6529	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	L854	NQL092M-270X	P COIL	27uH M
R6530	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	L855	NQL024J-560X	P COIL	56uH J
R6531	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	L861	NQL914K-220X	COIL	22uH K
R6532	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	L862	NQL914K-101X	COIL	100uH K
R6533	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L863	NQL914K-101X	COIL	100uH K
R6534	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L864	NQL914K-101X	COIL	100uH K
R6535	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L865	NQL914K-220X	COIL	22uH K
R6536	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	L866	NQL914K-220X	COIL	22uH K
R6537	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	L867	NQL914K-220X	COIL	22uH K
R6538	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	L902	NQL52EM-220X	COIL	22uH M
R6539	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	L903	NQL52EM-220X	COIL	22uH M
R6540	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L904	NQL52EM-220X	COIL	22uH M
R6541	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	L6661	QQL28AK-560	COIL	56uH K
R6542	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L6662	QQL28AK-560	COIL	56uH K
R6543	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	CN000H	QGF1201C2-19	CONNECTOR	FFC/FPC (1-19)
R6551	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	CN0011	QGF0508F1-50X	CONNECTOR	FFC/FPC (1-50)
R6552	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	CN0012	QGF0508F1-50X	CONNECTOR	FFC/FPC (1-50)
R6553	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	J2001	QNZ0463-001	21P CONNECTOR	EXT-1
R6554	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	J2002	QNZ0463-001	21P CONNECTOR	EXT-2
R6555	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	J2003	QNZ0726-001	AV JACK	EXT-3
R6556	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	J2004	QNN0650-001	PIN JACK	EXT-4
R6557	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	J2005	QNN0649-001	PIN JACK	AUDIO IN/OUT
R6558	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J	J2007	QNZ0561-001	D CONNECTOR	RGB IN
R6559	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	K6601	NQR0413-002X	FERRITE BEADS	
R6560	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J	K6602	NQR0413-002X	FERRITE BEADS	
R6563	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	K6661	NQR0413-002X	FERRITE BEADS	
R6564	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	K6662	NQR0413-002X	FERRITE BEADS	
R6567	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	K6663	NQR0413-002X	FERRITE BEADS	
R6568	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	K6664	NQR0413-002X	FERRITE BEADS	
R6569	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	TH6661	NAD0035-471X	P THERMISTOR	470Ω
R6577	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	X201	CSB503F30-T2	C RESONATOR	
R6578	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	X801	NAX0621-001X	CRYSTAL	16.200MHz
R6579	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J				
R6580	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J				
R6601	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J				
R6602	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J				
R6603	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R6605	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J				
R6606	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J				
R6607	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R6617	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J				
R6621	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J				
R6622	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J				
R6623	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J				
R6624	QRJ149J-102	UNF C RESISTOR	1kΩ 1/4W J				
R6625	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J				
R6626	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J				
R6627	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J				
R6629	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J				
R6630	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J				
R6631	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J				
R6632	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J				
R6633	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J				
R6634	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J				
R6661	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J				
R6662	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J				
R6663	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J				
R6664	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R6665	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J				
R6666	QRK129J-5R6	UNF C RESISTOR	5.6Ω 1/2W J				

## CONNECTOR P.W. BOARD ASS'Y (SFL-4021A-U2)

△Ref No.	Part No.	Part Name	Description Local
IC4201	SN74AHC1G08V-X	IC	
D4201	MA8033-X	Z DIODE	
C4202	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C4210	QETN0JM-228Z	E CAPACITOR	2200uF 6.3V M
C4211	QETN0JM-228Z	E CAPACITOR	2200uF 6.3V M
R4202	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R4203	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
CN0001	QGF0508F1-50X	CONNECTOR	FFC/FPC (1-50)
CN0002	QGF0508F1-30X	CONNECTOR	FFC/FPC (1-30)
CN000T	QGF0540C1-40X	CONNECTOR	FFC/FPC (1-40)
CN1011	QGF0508F1-50X	CONNECTOR	FFC/FPC (1-50)
CN1012	QGF0508F1-50X	CONNECTOR	FFC/FPC (1-50)

## FRONT CONTROL P.W. BOARD ASS'Y (SFL-7021A-U2)

△Ref No.	Part No.	Part Name	Description	Local
Q7701	UN2212-X	DIGI TRANSISTOR		
Q7705	UN2110-X	DIGI TRANSISTOR		
D7011	MA8062/M/-X	Z DIODE		
D7702	HLMFNS30J00-T16	LED	POWER	
C7011	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7012	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
R7011	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7012	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7013	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7014	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7015	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7016	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7018	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7701	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R7702	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R7703	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R7704	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R7711	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R7714	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
L7001	NQL092K-5R6X	COIL	5.6uH K	
L7002	NQL092K-5R6X	COIL	5.6uH K	
CN0008	QGB2542K1-08	CONNECTOR	B-B (1-8)	
J7001	QMS3004-C01	H.P.JACK	HEADPHONE	
K7001	NQR0389-003X	FERRITE BEADS		
S7701	QSW0797-001	TACT SWITCH	CH-	
S7702	QSW0797-001	TACT SWITCH	CH+	
S7703	QSW0797-001	TACT SWITCH	MENU	
S7704	QSW0797-001	TACT SWITCH	TV/AV	
S7705	QSW0797-001	TACT SWITCH	VOL+	
S7706	QSW0797-001	TACT SWITCH	VOL-	
S7707	QSW0797-001	TACT SWITCH	POWER	

## FRONT SENSOR P.W. BOARD ASS'Y (SFL-8021A-U2)

△Ref No.	Part No.	Part Name	Description	Local
IC8752	GP1UM281QK	IR DETECT UNIT	38kHz	
C8752	NEH71CM-476X	E CAPACITOR	47uF 16V M	
R8757	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8759	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
CN1008	QGB2542J1-08	CONNECTOR	B-B (1-8)	

## POWER P.W. BOARD ASS'Y (SFL-9007A-U2)

△Ref No.	Part No.	Part Name	Description	Local
IC9141	BA05FP-X	IC		
△IC9211	FA5500AN-W	IC		
IC9501	F9222L-F219	IC		
△IC9541	UTCTL431-T	IC		
IC9602	M62320FP-X	IC		
IC9603	SI-3025B-F1	IC		
IC9901	MP1580HS-X	IC		
Q9021	UN2211-X	TRANSISTOR		
Q9211	2SK3522-01-F1	POWER MOS FET		
Q9212	2SD601A/QR/-X	TRANSISTOR		
Q9213	IMD3A-W	DIGI TRANSISTOR		
Q9215	2SD601A/QR/-X	TRANSISTOR		
Q9216	UN2212-X	DIGI TRANSISTOR		
Q9251	UN2213-X	DIGI TRANSISTOR		
Q9252	UN2212-X	DIGI TRANSISTOR		
Q9501	2SD601A/QR/-X	TRANSISTOR		
Q9502	2SK2071-01S-W	POWER MOS FET		
Q9503	2SD601A/QR/-X	TRANSISTOR		
Q9504	2SK2018-01S-W	POWER MOS FET		
Q9506	UN2213-X	DIGI TRANSISTOR		
Q9541	UN2212-X	DIGI TRANSISTOR		
Q9602	2SB1188/QR/-W	TRANSISTOR		

△Ref No.	Part No.	Part Name	Description	Local
Q9603	UN2212-X	DIGI TRANSISTOR		
Q9901	2SD601A/QR/-X	TRANSISTOR		
D9021	MA111-X	SI DIODE		
D9111	S1WB/A/60-4101	BRIDGE DIODE		
△D9201	D25XB60	BRIDGE DIODE		
D9202	MA111-X	SI DIODE		
D9211	YG972S6R	SI DIODE		
D9213	MA111-X	SI DIODE		
D9214	MA111-X	SI DIODE		
D9215	D1FL20U-X	SI DIODE		
D9251	MA3100/M/-X	Z DIODE		
D9252	MA111-X	SI DIODE		
D9253	MA111-X	SI DIODE		
D9254	D1FL20U-X	SI DIODE		
D9501	MA8220/M/-X	Z DIODE		
D9502	MA8110/H/-X	Z DIODE		
D9503	D1FL20U-X	SI DIODE		
D9504	D1FL20U-X	SI DIODE		
D9505	MA8220/M/-X	Z DIODE		
D9507	D1FL20U-X	SI DIODE		
D9508	MA8056/M/-X	Z DIODE		
D9509	SD883-04-X	SB DIODE		
D9510	RD27E/B2/-T5	Z DIODE		
D9511	RD27E/B2/-T5	Z DIODE		
D9512	D1FS4-X	SB DIODE		
D9542	FMB-2306	SB DIODE		
D9543	FMB-2306	SB DIODE		
D9544	FME-220A	SB DIODE		
D9545	FME-220A	SB DIODE		
D9546	FMB-2306	SB DIODE		
D9605	D1FS4-X	SB DIODE		
D9901	EC30HA03L-X	SB DIODE		
D9902	MA111-X	SI DIODE		
D9905	D1FL20U-X	SI DIODE		
D9906	PTZ11B-X	Z DIODE		
D9907	RD16E/B/-T5	Z DIODE		
D9908	RD16E/B/-T5	Z DIODE		
D9909	D1FL20U-X	SI DIODE		
D9910	MA111-X	SI DIODE		
△C9001	QFZ9072-105	MM CAPACITOR	1uF AC250V K	
△C9002	QFZ9072-105	MM CAPACITOR	1uF AC250V K	
△C9011	QCZ9079-102	C CAPACITOR	1000pF AC250V M	
△C9013	QCZ9079-102	C CAPACITOR	1000pF AC250V M	
△C9101	QCZ9078-472	C CAPACITOR	4700pF AC250V M	
△C9102	QCZ9078-472	C CAPACITOR	4700pF AC250V M	
△C9103	QCZ9078-472	C CAPACITOR	4700pF AC250V M	
C9111	QEHQ2GM-226	E CAPACITOR	22uF 400V M	
C9141	QECR1CM-477Z	E CAPACITOR	470uF 16V M	
C9142	QEHR1AM-337Z	E CAPACITOR	330uF 10V M	
C9143	QEHR1CM-107Z	E CAPACITOR	100uF 16V M	
△C9197	QCZ9079-102	C CAPACITOR	1000pF AC250V M	
△C9198	QCZ9079-102	C CAPACITOR	1000pF AC250V M	
△C9201	QCZ9078-222	C CAPACITOR	2200pF AC250V M	
△C9203	QCZ9078-222	C CAPACITOR	2200pF AC250V M	
△C9204	QCZ9078-222	C CAPACITOR	2200pF AC250V M	
△C9205	QCZ9078-222	C CAPACITOR	2200pF AC250V M	
C9211	QFZ0222-105	MM CAPACITOR	1uF 450V K	
C9212	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9213	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C9214	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C9215	QEHR1VM-476Z	E CAPACITOR	47uF 35V M	
C9216	QEZ0650-227	E CAPACITOR	220uF 450V M	
C9218	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9221	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C9251	QEHR1HM-107Z	E CAPACITOR	100uF 50V M	
C9252	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
C9501	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9502	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9503	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9504	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C9505	NCB11EK-474X	C CAPACITOR	0.47uF 25V K	
C9506	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C9507	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C9508	NCB11AK-335X	C CAPACITOR	3.3uF 10V K	
C9509	QECR1VM-227Z	E CAPACITOR	220uF 35V M	
C9510	QEHR2AM-107Z	E CAPACITOR	100uF 100V M	
C9511	QFZ0209-473	MPP CAPACITOR	0.047uF 1000V H	
C9541	QECQ1EM-188	E CAPACITOR	1800uF 25V M	
C9544	QECQ1EM-188	E CAPACITOR	1800uF 25V M	
C9545	QECQ1EM-188	E CAPACITOR	1800uF 25V M	
C9546	QECR1EM-687Z	E CAPACITOR	680uF 25V M	
C9547	QECR1EM-687Z	E CAPACITOR	680uF 25V M	
C9550	QEHQ1EM-228	E CAPACITOR	2200uF 25V M	
C9551	NCB11EK-474X	C CAPACITOR	0.47uF 25V K	
C9552	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	

△Ref No.	Part No.	Part Name	Description Local
C9606	QEHR1HM-106Z	E CAPACITOR	10uF 50V M
C9608	QEHR1EM-107Z	E CAPACITOR	100uF 25V M
C9609	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C9610	NDC31HJ-680X	C CAPACITOR	68pF 50V J
C9611	NDC31HJ-680X	C CAPACITOR	68pF 50V J
C9902	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C9903	QECR1CM-477Z	E CAPACITOR	470uF 16V M
C9904	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
C9906	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C9907	NCB31EK-273X	C CAPACITOR	0.027uF 25V K
C9908	QEHR2AM-106Z	E CAPACITOR	10uF 100V M
C9909	QEHR1HM-106Z	E CAPACITOR	10uF 50V M
C9910	QECR1VM-227Z	E CAPACITOR	220uF 35V M
C9911	QRK126J-151X	UNF C RESISTOR	150Ω 1/2W J
C9912	QEHR1CM-477Z	E CAPACITOR	470uF 16V M
C9913	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C9914	QTNC1HM-106Z	E CAPACITOR	10uF 50V M
C9915	NCB11EK-104X	C CAPACITOR	0.1uF 25V K
C9917	NCB31HK-222X	C CAPACITOR	2200pF 50V K

△R9001	QRZ9046-105Z	C RESISTOR	1MΩ 1/2W K
R9101	QRZ0216-4R7	UNF WW RESISTOR	4.7Ω 7W K
R9141	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J
R9142	QRX01GJ-R82	MF RESISTOR	0.82Ω 1W J
△R9199	QRZ0107-685Z	C RESISTOR	6.8MΩ 1/2W K
△R9202	QRZ9055-8R2	FUSI RESISTOR	8.2Ω 2W K
R9203	MTZJ8.2C-T2	Z DIODE	
R9211	NRS12BJ-474W	MG RESISTOR	470kΩ 1/2W J
R9212	NRS12BJ-474W	MG RESISTOR	470kΩ 1/2W J
R9213	NRS12BJ-334W	MG RESISTOR	330kΩ 1/2W J
R9214	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R9215	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R9216	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R9217	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R9218	NRSA63D-183X	MG RESISTOR	18kΩ 1/16W D
R9219	NRS12BJ-223W	MG RESISTOR	22kΩ 1/2W J
R9220	QRM059J-R27	MP RESISTOR	0.27Ω 5W J
R9221	QRM059J-R15	MP RESISTOR	0.15Ω 5W J
R9222	NRS181J-824X	MG RESISTOR	820kΩ 1/8W J
R9223	NRS181J-824X	MG RESISTOR	820kΩ 1/8W J
R9224	NRS181J-824X	MG RESISTOR	820kΩ 1/8W J
R9225	NRS12BJ-334W	MG RESISTOR	330kΩ 1/2W J
R9226	NRS12BJ-334W	MG RESISTOR	330kΩ 1/2W J
R9227	NRS12BJ-394W	MG RESISTOR	390kΩ 1/2W J
R9228	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R9229	NRSA63J-274X	MG RESISTOR	270kΩ 1/16W J
R9233	NRS181J-0R0X	MG RESISTOR	0Ω 1/8W J
R9236	NRS12BJ-474W	MG RESISTOR	470kΩ 1/2W J
R9237	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R9238	NRS12BJ-220W	MG RESISTOR	22Ω 1/2W J
R9239	NRS12BJ-1R0W	MG RESISTOR	1Ω 1/2W J
R9251	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R9253	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R9254	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R9255	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R9256	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R9257	NRS12BJ-102W	MG RESISTOR	1kΩ 1/2W J
R9501	QRL039J-332	OMF RESISTOR	3.3kΩ 3W J
R9502	QRL039J-332	OMF RESISTOR	3.3kΩ 3W J
R9503	NRS181J-824X	MG RESISTOR	820kΩ 1/8W J
R9504	NRS181J-824X	MG RESISTOR	820kΩ 1/8W J
R9505	NRS181J-824X	MG RESISTOR	820kΩ 1/8W J
R9506	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R9507	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R9508	QRT029J-2R7	MF RESISTOR	2.7Ω 2W J
R9509	QRM059J-R39	MP RESISTOR	0.39Ω 5W J
R9510	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R9511	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R9512	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R9513	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R9514	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R9515	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
△R9516	QRZ9009-2R2	FUSI RESISTOR	2.2Ω 1/2W J
R9517	NRS12BJ-332W	MG RESISTOR	3.3kΩ 1/2W J
R9518	QRK126J-271X	UNF C RESISTOR	270Ω 1/2W J
R9519	NRSA02J-180X	MG RESISTOR	18Ω 1/10W J
R9520	QRE121J-105Y	C RESISTOR	1MΩ 1/2W J
R9521	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R9525	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R9526	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R9529	QRL039J-561	OMF RESISTOR	560Ω 3W J
R9541	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R9542	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R9543	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R9544	NRSA63D-153X	MG RESISTOR	15kΩ 1/16W D
R9545	NRSA63D-221X	MG RESISTOR	220Ω 1/16W D
R9546	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J

R9548	NRSA63D-272X	MG RESISTOR	2.7kΩ 1/16W D
R9549	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R9551	QRE141J-0R0Y	C RESISTOR	0Ω 1/4W J
R9552	QRE141J-0R0Y	C RESISTOR	0Ω 1/4W J
R9602	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9615	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R9616	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R9617	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R9618	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R9620	NRSA63D-822X	MG RESISTOR	8.2kΩ 1/16W D
R9621	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R9622	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R9623	NRSA63D-122X	MG RESISTOR	1.2kΩ 1/16W D
R9624	NRSA63D-331X	MG RESISTOR	330Ω 1/16W D
R9625	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D
R9629	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R9631	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R9632	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R9635	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R9636	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9638	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9640	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R9643	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R9901	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9902	NRSA63D-104X	MG RESISTOR	100kΩ 1/16W D
R9903	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D
R9904	NRSA63D-184X	MG RESISTOR	180kΩ 1/16W D
R9905	QRK126J-332X	UNF C RESISTOR	3.3kΩ 1/2W J
R9906	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R9907	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R9908	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R9910	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R9911	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R9913	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R9916	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R9923	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J

L9141	NQL52EN-4R7X	COIL	4.7uH N
L9201	QQR1399-001	CHOKO COIL	
L9202	QQR1513-001	CHOKO COIL	
L9541	NQL71EM-150X	COIL	15uH M
L9902	NQL80CL-100X	COIL	10uH L
L9903	NQL80CL-100X	COIL	10uH L
L9904	NQL63EM-470X	COIL	47uH M
△T9121	QAL0425-001	POWER TRANSF	
△T9501	QQS0319-001	SW TRANSF	
△T9502	QQS0319-001	SW TRANSF	

CN0006	QGB2501J1-13	CONNECTOR	B-B (1-13)
CN000H	QGF1201C2-19	CONNECTOR	FFC/FPC (1-19)
CN00E1	CE41507-001P	LV CONNECTOR	
△CP9121	QMFZ052-2R0-E	FUSE	2A AC250V
△CP9211	QMFZ043-2R0Z-J1	FUSE	2A AC250V
△F9001	QMF51D2-6R3-J1	FUSE	6.3A AC250V
H9211	LC32819-001A	HEAT SINK/AL-F/	
H9501	LC32819-001A	HEAT SINK/AL-F/	
H9541	LC32802-001A	HEAT SINK/AL-F/	
H9601	CM42862-A0A	HEAT SINK ASSY	
K9001	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J
K9212	QQR0621-002Z	FERRITE BEADS	
K9501	NQR0413-002X	FERRITE BEADS	
K9502	NQR0413-002X	FERRITE BEADS	
K9503	NQR0413-002X	FERRITE BEADS	
K9504	NQR0413-002X	FERRITE BEADS	
K9505	NQR0413-002X	FERRITE BEADS	
K9508	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K9541	NQR0413-003X	FERRITE BEADS	
△LF9001	QQR1514-001	LINE FILTER	
△LF9002	QQR1467-001	LINE FILTER	
△LF9003	QQR1514-001	LINE FILTER	
△PC9541	PS2581AL1/QW/	IC(PHOT COUPLE	
△PC9542	PS2581AL1/QW/	IC(PHOT COUPLE	
△RY9021	QSK0119-001	RELAY	
△RY9201	QSK0117-001	RELAY	
△VA9001	QAF0060-621	VARISTOR	620V

## REGULATOR P.W. BOARD ASS'Y (SFL-9107A-U2)

△Ref No.	Part No.	Part Name	Description Local
IC9802	MP1580HS-X	IC	
IC9803	MP1583DN-X	IC	
Q9802	2SD601A/QR-X	TRANSISTOR	

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
Q9803	2SD601A/QR/-X	TRANSISTOR		IC9101	MP1580HS-X	IC	
D9803	SD883-04-X	SB DIODE		IC9201	MP1580HS-X	IC	
D9804	MA111-X	SI DIODE		Q0101	2SC3837K/NP/-X	TRANSISTOR	
D9805	MA3051/M/-X	Z DIODE		Q0102	2SA1022/BC/-X	TRANSISTOR	
D9806	SD883-04-X	SB DIODE		Q0104	2SA1022/BC/-X	TRANSISTOR	
D9807	PTZ6.8B-X	Z DIODE		Q0107	2SA1530A/QR/-X	TRANSISTOR	
D9808	MA111-X	SI DIODE		Q0108	2SC3928A/QR/-X	TRANSISTOR	
D9810	PTZ6.8B-X	Z DIODE		Q0109	HN1C01F/Y/-X	PAIR TRANSISTOR	
D9813	MA111-X	SI DIODE		Q0110	HN1C01F/Y/-X	PAIR TRANSISTOR	
C9805	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	Q0201	2SC3837K/NP/-X	TRANSISTOR	
C9806	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	Q0202	2SA1022/BC/-X	TRANSISTOR	
C9809	NEH91HM-105X	E CAPACITOR	1uF 50V M	Q0203	2SC3928A/QR/-X	TRANSISTOR	
C9810	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	Q0204	2SA1022/BC/-X	TRANSISTOR	
C9812	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	Q0207	2SA1530A/QR/-X	TRANSISTOR	
C9813	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	Q0208	2SC3928A/QR/-X	TRANSISTOR	
C9814	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	Q0209	HN1C01F/Y/-X	PAIR TRANSISTOR	
C9818	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	Q0210	HN1C01F/Y/-X	PAIR TRANSISTOR	
C9819	NDC31HJ-101X	C CAPACITOR	100pF 50V J	Q0301	2SC3837K/NP/-X	TRANSISTOR	
C9821	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	Q0302	2SA1022/BC/-X	TRANSISTOR	
C9822	NDC31HJ-121X	C CAPACITOR	120pF 50V J	Q0303	2SC3928A/QR/-X	TRANSISTOR	
C9823	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	Q0304	2SA1022/BC/-X	TRANSISTOR	
C9824	NCB11EK-104X	C CAPACITOR	0.1uF 25V K	Q0307	2SA1530A/QR/-X	TRANSISTOR	
C9826	NCB31HK-222X	C CAPACITOR	2200pF 50V K	Q0308	2SC3928A/QR/-X	TRANSISTOR	
R9810	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	Q0309	HN1C01F/Y/-X	PAIR TRANSISTOR	
R9811	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	Q0310	HN1C01F/Y/-X	PAIR TRANSISTOR	
R9812	NRVA02D-473X	CMF RESISTOR	47kΩ 1/10W D	Q1001	UN2213-X	DIGI TRANSISTOR	
R9813	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	Q1003	2SC3928A/QR/-X	TRANSISTOR	
R9814	NRSA63D-124X	MG RESISTOR	120kΩ 1/16W D	Q1004	2SA1530A/QR/-X	TRANSISTOR	
R9815	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	Q1101	2SC3928A/QR/-X	TRANSISTOR	
R9816	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	Q1103	2SA1530A/QR/-X	TRANSISTOR	
R9817	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	Q1201	2SC3928A/QR/-X	TRANSISTOR	
R9818	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	Q1203	2SA1530A/QR/-X	TRANSISTOR	
R9819	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	Q1301	2SC3928A/QR/-X	TRANSISTOR	
R9820	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	Q1303	2SA1530A/QR/-X	TRANSISTOR	
R9821	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	Q1401	2SC3928A/QR/-X	TRANSISTOR	
R9822	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D	Q1403	2SA1530A/QR/-X	TRANSISTOR	
R9823	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	Q3001	2SC3928A/QR/-X	TRANSISTOR	
R9824	NRSA63D-124X	MG RESISTOR	120kΩ 1/16W D	Q3002	2SA1530A/QR/-X	TRANSISTOR	
R9825	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	Q3004	2SA1530A/QR/-X	TRANSISTOR	
R9826	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	Q6501	2SC3928A/QR/-X	TRANSISTOR	
R9827	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	Q6502	2SC3928A/QR/-X	TRANSISTOR	
R9828	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	Q7201	2SA1530A/QR/-X	TRANSISTOR	
R9830	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	Q7202	2SC3928A/QR/-X	TRANSISTOR	
R9831	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	Q7203	2SC3928A/QR/-X	TRANSISTOR	
L9804	NQL71EM-150X	COIL	15uH M	Q7204	2SC3928A/QR/-X	TRANSISTOR	
L9806	NQL71EM-150X	COIL	15uH M	Q7205	2SC3928A/QR/-X	TRANSISTOR	
L9807	NQL80CL-100X	COIL	10uH L	Q7206	UN2213-X	DIGI TRANSISTOR	
CN1006	QGB2501K2-13	CONNECTOR	B-B (1-13)	Q7207	DTA144EKA-X	DIGI TRANSISTOR	
				Q7501	2SA1162/YG/-X	TRANSISTOR	
				Q7508	DTC114EKA-X	DIGI TRANSISTOR	

## DIGITAL SIGNAL P.W. BOARD ASS'Y (LCA10428-59A)(SFL-0D201A)

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
IC0401	SN74AHCT1G32V-X	IC		D1001	EC30HA03L-X	SB DIODE	
IC1001	TC90A92AFG	IC		D1002	EC30HA03L-X	SB DIODE	
IC1002	MM1572FN-X	IC		D7001	MA111-X	SI DIODE	
IC1502	NJM2235V-X	IC		D7003	MA111-X	SI DIODE	
IC3001	JCC5055	IC		D7005	MA8082/M/-X	Z DIODE	
IC3403	S-80928CLNB-W	IC		D7006	MA8082/M/-X	Z DIODE	
IC3501	HY5DU283222AQ-5	IC		D7007	MA8082/M/-X	Z DIODE	
IC3502	HY5DU283222AQ-5	IC		D7008	MA8082/M/-X	Z DIODE	
IC3503	LP2996MR-X	IC		D7009	MA8082/M/-X	Z DIODE	
IC4001	JCC5057	IC		D7010	MA111-X	SI DIODE	
IC4003	AT29LV01-26C50U	IC(MICRO C ROM)	(SERVICE)	D7201	MA111-X	SI DIODE	
IC4004	AT24C25626C50UD	IC	(SERVICE)	D7203	MA111-X	SI DIODE	
IC6502	THC63LVD83R-W	IC		D7210	RB501V-40-X	SB DIODE	
IC7001	MN102H60KLC	IC(MCU)		D7501	MA111-X	SI DIODE	
IC7002	AT24C256-26C50U	IC	(SERVICE)	D7502	MA111-X	SI DIODE	
IC7401	S-80828CLNB-W	IC		D9001	EC30HA03L-X	SB DIODE	
IC7501	SDA6000-B12	IC		D9003	PTZ3.9B-X	Z DIODE	
IC7502	S-80828CNNB-W	IC		D9101	EC30HA03L-X	SB DIODE	
IC7503	K4S641632H-TC75	IC(DIGITAL)		D9102	EC30HA03L-X	SB DIODE	
IC7504	MBV160T90PT	IC(MICRO C ROM)		D9103	PTZ3.9B-X	Z DIODE	
IC7505	PQ2L3252MS-X	IC		D9104	MA111-X	SI DIODE	
IC7506	CD74HC4053PW-X	IC		D9201	EC30HA03L-X	SB DIODE	
IC7602	AT24C32-26C50U	IC	(SERVICE)	D9203	PTZ3.9B-X	Z DIODE	
IC9001	MP1580HS-X	IC		D9204	MA111-X	SI DIODE	
C0103	NDC31HJ-330X	C CAPACITOR	33pF 50V J	C0105	NDC31HJ-270X	C CAPACITOR	27pF 50V J
C0107	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C0109	NCB11AK-106X	C CAPACITOR	10uF 10V K
C0110	NCB11AK-106X	C CAPACITOR	10uF 10V K	C0111	NDC31HJ-820X	C CAPACITOR	82pF 50V J
C0112	NDC31HJ-820X	C CAPACITOR	82pF 50V J	C0113	NCB11AK-106X	C CAPACITOR	10uF 10V K
C0114	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z				



△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C0115	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C1303	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C0116	NCB11AK-106X	C CAPACITOR	10uF 10V K	C1304	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C0117	NDC31HJ-560X	C CAPACITOR	56pF 50V J	C1305	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C0203	NDC31HJ-330X	C CAPACITOR	33pF 50V J	C1306	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C0205	NDC31HJ-270X	C CAPACITOR	27pF 50V J	C1309	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C0207	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C1402	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C0209	NCB11AK-106X	C CAPACITOR	10uF 10V K	C1403	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C0210	NCB11AK-106X	C CAPACITOR	10uF 10V K	C1404	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C0211	NDC31HJ-820X	C CAPACITOR	82pF 50V J	C1405	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C0212	NDC31HJ-820X	C CAPACITOR	82pF 50V J	C1406	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C0213	NCB11AK-106X	C CAPACITOR	10uF 10V K	C1409	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C0214	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C1502	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C0215	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C1508	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C0217	NDC31HJ-560X	C CAPACITOR	56pF 50V J	C1509	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C0303	NDC31HJ-330X	C CAPACITOR	33pF 50V J	C1511	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
C0305	NDC31HJ-270X	C CAPACITOR	27pF 50V J	C3004	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C0307	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3006	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C0309	NCB11AK-106X	C CAPACITOR	10uF 10V K	C3008	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C0310	NCB11AK-106X	C CAPACITOR	10uF 10V K	C3009	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C0311	NDC31HJ-820X	C CAPACITOR	82pF 50V J	C3010	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C0312	NDC31HJ-820X	C CAPACITOR	82pF 50V J	C3016	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C0313	NCB11AK-106X	C CAPACITOR	10uF 10V K	C3018	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C0314	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3019	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C0315	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3021	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C0317	NDC31HJ-560X	C CAPACITOR	56pF 50V J	C3022	NBZ0007-107X	SP E CAPACITOR	100uF 4V M
C0401	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C3023	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C0402	QCS31HJ-390Z	C CAPACITOR	39pF 50V J	C3028	NDC31HJ-221X	C CAPACITOR	220pF 50V J
C1001	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3030	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1004	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3031	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1005	NCB31HK-152X	C CAPACITOR	1500pF 50V K	C3032	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1006	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3037	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1009	NDC31HJ-220X	C CAPACITOR	22pF 50V J	C3040	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1010	NDC31HJ-180X	C CAPACITOR	18pF 50V J	C3041	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C1011	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	C3042	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1012	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3043	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C1013	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3044	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1014	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3045	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1015	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3047	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1016	NCB11AK-106X	C CAPACITOR	10uF 10V K	C3049	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1017	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3051	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1018	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3052	NCB31AK-334X	C CAPACITOR	0.33uF 10V K
C1019	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3056	NCB31AK-334X	C CAPACITOR	0.33uF 10V K
C1021	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3059	NCB31HK-223X	C CAPACITOR	0.022uF 50V K
C1023	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3060	NCB31HK-152X	C CAPACITOR	1500pF 50V K
C1025	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3063	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1026	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3065	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1028	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3066	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1029	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3067	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1030	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3068	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1031	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3069	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1032	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3070	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1033	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3071	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1034	NDC31HJ-390X	C CAPACITOR	39pF 50V J	C3072	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1035	NDC31HJ-680X	C CAPACITOR	68pF 50V J	C3074	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1037	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C3076	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1038	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3097	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C1039	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3101	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C1040	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3105	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C1041	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	C3111	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1042	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C3406	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C1043	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3501	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C1045	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C3503	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C1046	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3506	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C1047	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3507	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C1048	NCB11CK-105X	C CAPACITOR	1uF 16V K	C3508	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C1049	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3509	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C1050	NCB11CK-105X	C CAPACITOR	1uF 16V K	C3511	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C1051	NCB11CK-105X	C CAPACITOR	1uF 16V K	C3515	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1061	NDC31HJ-4R0X	C CAPACITOR	4pF 50V J	C3516	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C1062	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	C3517	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C1063	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C3518	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1064	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3519	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1065	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	C3524	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1066	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	C3527	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C1102	NDC31HJ-330X	C CAPACITOR	33pF 50V J	C3530	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1103	NDC31HJ-330X	C CAPACITOR	33pF 50V J	C3531	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1104	NDC31HJ-560X	C CAPACITOR	56pF 50V J	C3532	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C1105	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	C3533	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C1106	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C3535	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C1109	NDC31HJ-151X	C CAPACITOR	150pF 50V J	C3539	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C1202	NDC31HJ-330X	C CAPACITOR	33pF 50V J	C3540	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C1203	NDC31HJ-330X	C CAPACITOR	33pF 50V J	C3542	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C1204	NDC31HJ-560X	C CAPACITOR	56pF 50V J	C3543	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1205	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	C3548	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1206	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C3549	NBZ0007-107X	SP E CAPACITOR	100uF 4V M
C1209	NDC31HJ-151X	C CAPACITOR	150pF 50V J	C3550	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1302	NDC31HJ-330X	C CAPACITOR	33pF 50V J	C3551	NBZ0007-107X	SP E CAPACITOR	100uF 4V M

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C3552	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C7510	NEH71CM-106X	E CAPACITOR	10uF 16V M
C4002	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7511	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C4003	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7512	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C4005	NCB31AK-105X	C CAPACITOR	1uF 10V K	C7513	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C4006	NCB31AK-105X	C CAPACITOR	1uF 10V K	C7514	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C4008	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	C7515	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C4009	NCB31AK-105X	C CAPACITOR	1uF 10V K	C7516	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C4010	NCB31AK-105X	C CAPACITOR	1uF 10V K	C7517	NDC31HJ-270X	C CAPACITOR	27pF 50V J
C4011	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	C7518	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C4012	NCB31AK-105X	C CAPACITOR	1uF 10V K	C7520	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C4013	NCB31AK-105X	C CAPACITOR	1uF 10V K	C7521	NEH71CM-106X	E CAPACITOR	10uF 16V M
C4016	NCB31AK-105X	C CAPACITOR	1uF 10V K	C7522	NEH71CM-106X	E CAPACITOR	10uF 16V M
C4020	NCB31AK-105X	C CAPACITOR	1uF 10V K	C7523	NEH71CM-476X	E CAPACITOR	47uF 16V M
C4022	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7524	NEH71CM-476X	E CAPACITOR	47uF 16V M
C4023	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7525	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C4029	NDC31HJ-470X	C CAPACITOR	47pF 50V J	C7526	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C4030	NDC31HJ-470X	C CAPACITOR	47pF 50V J	C7527	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C4901	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C7528	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C4902	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C7529	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C4906	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C7530	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C4907	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C7531	NEH71CM-476X	E CAPACITOR	47uF 16V M
C4908	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C7532	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C4909	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C7533	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C4910	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C7534	NCB11AK-106X	C CAPACITOR	10uF 10V K
C4911	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C7535	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C4913	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C7541	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4914	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C7542	NEH70GM-227X	E CAPACITOR	220uF 4V M
C4915	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C7543	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C4916	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C7544	NEH70JM-107X	E CAPACITOR	100uF 6.3V M
C4917	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C7545	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C4919	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C7546	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C4920	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C7547	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C4921	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C7548	NEH70GM-227X	E CAPACITOR	220uF 4V M
C4922	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C7550	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4923	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C7552	NCB31AK-105X	C CAPACITOR	1uF 10V K
C4925	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C7553	QCB31HK-471Z	C CAPACITOR	470pF 50V K
C4926	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C7616	NCB11CK-105X	C CAPACITOR	1uF 16V K
C4931	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C9002	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C4932	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C9004	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4933	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C9005	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
C4934	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C9007	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C4935	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C9008	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
C4936	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C9010	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
C4937	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C9012	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C4938	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C9102	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C4939	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C9104	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4940	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C9105	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
C4941	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C9106	NDC31HJ-121X	C CAPACITOR	120pF 50V J
C4942	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C9107	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C6013	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C9108	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
C6014	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C9111	NCB31HK-822X	C CAPACITOR	8200pF 50V K
C6015	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C9112	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C6512	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9202	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C6513	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9204	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C6514	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9205	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
C6515	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9207	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C6516	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9209	NEZ0022-157X	E CAPACITOR	150uF 10V M
C6520	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C9211	NCB31HK-153X	C CAPACITOR	0.015uF 50V K
C6521	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C9212	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C6522	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z				
C6523	NCB11AK-106X	C CAPACITOR	10uF 10V K	R0105	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C7001	NCB31AK-105X	C CAPACITOR	1uF 10V K	R0106	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
C7002	NCB31AK-105X	C CAPACITOR	1uF 10V K	R0107	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
C7003	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	R0109	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
C7006	NDC31HJ-150X	C CAPACITOR	15pF 50V J	R0110	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C7007	NCB31AK-105X	C CAPACITOR	1uF 10V K	R0116	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C7010	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R0119	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C7011	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R0121	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C7012	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R0122	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C7013	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R0125	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C7017	NDC31HJ-391X	C CAPACITOR	390pF 50V J	R0126	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C7018	NCB31AK-105X	C CAPACITOR	1uF 10V K	R0127	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7025	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	R0128	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C7201	NCB31AK-105X	C CAPACITOR	1uF 10V K	R0129	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C7202	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R0131	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C7203	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	R0132	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C7401	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	R0133	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7402	NCB31AK-105X	C CAPACITOR	1uF 10V K	R0134	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C7501	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	R0137	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
C7502	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	R0138	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
C7503	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	R0140	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
C7504	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	R0141	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C7505	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	R0205	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C7506	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	R0206	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
C7507	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	R0207	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
C7508	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	R0208	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
C7509	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	R0209	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R0210	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R1301	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R0211	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R1303	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0216	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R1304	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R0219	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R1305	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R0221	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R1306	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R0222	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R1307	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R0225	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R1313	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R0226	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R1401	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R0227	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	R1403	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0228	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R1404	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R0229	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R1405	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R0231	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R1406	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R0232	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R1407	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R0233	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R1413	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R0234	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R1523	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
R0237	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	R1524	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J
R0238	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	R1525	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0240	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	R1584	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0241	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R2010	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0305	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R3001	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R0306	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R3003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0307	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R3004	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R0308	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	R3006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0309	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R3007	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0310	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R3008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0311	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R3009	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0316	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R3018	NRSA02J-3R3X	MG RESISTOR	3.3Ω 1/10W J
R0319	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R3019	NRSA02J-3R3X	MG RESISTOR	3.3Ω 1/10W J
R0321	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R3020	NRSA02J-3R3X	MG RESISTOR	3.3Ω 1/10W J
R0322	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R3021	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D
R0325	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R3022	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D
R0326	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R3023	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D
R0327	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	R3024	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R0328	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R3028	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R0329	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R3029	NRSA63D-392X	MG RESISTOR	3.9kΩ 1/16W D
R0331	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R3030	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D
R0332	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R3031	NRSA63D-151X	MG RESISTOR	150Ω 1/16W D
R0333	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R3032	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J
R0334	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R3033	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J
R0337	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	R3034	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J
R0338	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	R3036	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R0340	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	R3037	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R0341	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R3038	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R0501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R3040	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J
R0502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R3041	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R0504	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R3042	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J
R0506	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R3043	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R0507	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R3044	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R0508	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R3045	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R0516	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R3047	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R0517	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R3048	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R0520	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R3053	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R0522	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R3054	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0523	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R3056	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0524	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R3063	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0525	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R3064	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0527	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R3065	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1001	NRSA63J-274X	MG RESISTOR	270kΩ 1/16W J	R3066	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1002	NRSA63D-101X	MG RESISTOR	100Ω 1/16W D	R3069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1003	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R3070	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1004	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R3071	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1005	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R3072	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1006	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R3089	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R1007	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R3090	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R1010	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	R3091	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R1011	NQL093K-R10X	P COIL	0.1uH K	R3092	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R1012	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	R3093	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R1013	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	R3094	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R1014	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R3095	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R1017	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R3096	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R1018	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R3097	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R1019	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R3098	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R1021	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R3099	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R1101	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	R3100	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R1102	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R3101	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R1104	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R3102	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R1105	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	R3103	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R1106	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	R3104	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R1107	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	R3105	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R1113	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	R3106	NRS144J-0R0X	MG RESISTOR	0Ω 1/4W J
R1201	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	R3122	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R1203	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R3126	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1204	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R3131	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1205	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	R3132	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1206	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R3151	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1207	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	R3152	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1213	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	R3153	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J

(No.YA203)3-17

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R7093	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R7708	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J
R7094	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R7709	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7095	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R7710	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7096	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R7711	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7097	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R7712	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7098	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R7713	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7099	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R7714	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7100	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7715	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7101	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R7716	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7106	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7717	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7107	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R7718	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7108	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R7719	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J
R7109	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R7720	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7110	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R9001	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R7111	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R9002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R7112	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R9003	NRSA63D-203X	MG RESISTOR	20kΩ 1/16W D
R7115	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R9004	NRSA63D-124X	MG RESISTOR	120kΩ 1/16W D
R7117	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R9005	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D
R7118	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R9006	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7119	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R9007	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R7120	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R9008	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R7123	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R9101	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R7132	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R9102	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R7134	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R9103	NRSA63D-203X	MG RESISTOR	20kΩ 1/16W D
R7135	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R9104	NRSA63D-223X	MG RESISTOR	22kΩ 1/16W D
R7136	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R9105	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D
R7137	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R9106	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7140	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R9107	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R7143	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R9108	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R7144	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	R9109	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R7145	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	R9201	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R7146	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	R9202	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R7148	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R9204	NRSA63D-272X	MG RESISTOR	2.7kΩ 1/16W D
R7149	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R9205	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D
R7150	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R9206	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7151	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	R9207	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R7152	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	R9208	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R7153	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R9209	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R7158	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R9210	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7159	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA1001	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J x4
R7202	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	RA1002	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J x4
R7203	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	RA1003	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J x4
R7204	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA3002	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J x4
R7205	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	RA3004	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J x4
R7206	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA3013	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4
R7207	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA3014	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4
R7208	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	RA3015	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4
R7209	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	RA3016	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4
R7210	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA3018	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
R7211	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA3020	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
R7212	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	RA3022	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
R7213	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	RA3023	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
R7214	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA3024	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
R7215	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	RA3025	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
R7216	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA3026	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
R7401	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA3028	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
R7501	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA3030	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
R7510	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	RA3032	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
R7511	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	RA3502	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
R7514	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	RA3506	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
R7515	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	RA3508	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
R7518	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	RA3512	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
R7553	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA3516	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
R7556	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA3518	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
R7557	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	RA3521	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
R7558	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA3523	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
R7559	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	RA3526	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
R7560	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	RA3530	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
R7561	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	RA3531	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
R7565	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA3536	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
R7566	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	RA3540	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
R7567	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	RA3542	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
R7568	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	RA3545	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
R7576	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	RA3547	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
R7588	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	RA4007	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4
R7590	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	RA4008	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4
R7599	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	RA4009	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4
R7602	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA4010	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4
R7603	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA4011	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4
R7692	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA4012	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4
R7701	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	RA6515	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7702	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	RA7007	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4
R7703	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	RB2001	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J
R7704	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	RB2002	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J
R7705	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	RB2003	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J
R7706	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J				
R7707	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	L0101	NQL092K-2R2X	P COIL	2.2uH K

△Ref No.	Part No.	Part Name	Description	Local	△Ref No.	Part No.	Part Name	Description	Local
L0102	NQL092K-1R0X	P COIL		1uH K	X4001	NAX0669-001X	C RESONATOR		
L0201	NQL092K-2R2X	P COIL		2.2uH K	X7501	NAX0618-001X	CRYSTAL		
L0202	NQL092K-1R0X	P COIL		1uH K	<b>RECEIVER P.W. BOARD ASS'Y</b>				
L0301	NQL092K-2R2X	P COIL		2.2uH K	<b>(SFL0F201A-U2)</b>				
L0302	NQL092K-1R0X	P COIL		1uH K	△Ref No.	Part No.	Part Name	Description	Local
L0401	NRSA02J-0R0X	MG RESISTOR	0Ω	1/10W J	IC3501	MSP3415GQGB8V3M	IC		
L1001	NQR0489-002X	FERRITE BEADS			IC3503	HA17558AF-X	IC		
L1002	NQR0489-002X	FERRITE BEADS			IC3504	BA80BC0FP-X	IC		
L1003	NQL092K-1R5X	P COIL	1.5uH K		IC3505	NJU26901E2-W	IC		
L1004	NQR0489-002X	FERRITE BEADS			IC3506	MC74VHC1GT125TX	IC		
L1005	NQR0489-002X	FERRITE BEADS			IC3507	SN74LVC1G125V-X	IC		
L1006	NQR0489-002X	FERRITE BEADS			IC3508	SN74LVC1G125V-X	IC		
L1008	NQL79GM-220X	COIL		22uH M	IC3509	SN74LVC1G125V-X	IC		
L1010	NRSA02J-0R0X	MG RESISTOR	0Ω	1/10W J	IC3510	R1141Q251B-X	IC		
L1011	NQL79GM-470X	COIL		47uH M	Q3001	2SC3928A/QR/-X	TRANSISTOR		
L1101	NQL092K-6R8X	P COIL		6.8uH K	Q3502	2SC3928A/QR/-X	TRANSISTOR		
L1102	NRSA02J-0R0X	MG RESISTOR	0Ω	1/10W J	Q3503	UN2213-X	DIGI TRANSISTOR		
L1103	NQL092K-1R0X	P COIL		1uH K	C3001	NCB31HK-222X	C CAPACITOR	2200pF	50V K
L1201	NQL092K-6R8X	P COIL		6.8uH K	C3002	NEH71HM-106X	E CAPACITOR	10uF	50V M
L1203	NQL092K-1R0X	P COIL		1uH K	C3003	NCB31CK-104X	C CAPACITOR	0.1uF	16V K
L1301	NQL092K-6R8X	P COIL		6.8uH K	C3004	NEX60JM-227X	E CAPACITOR	220uF	6.3V M
L1303	NQL092K-1R0X	P COIL		1uH K	C3005	NCB31HK-333X	C CAPACITOR	0.033uF	50V K
L1401	NQL092K-6R8X	P COIL		6.8uH K	C3007	NCF31AZ-105X	C CAPACITOR	1uF	10V Z
L1403	NQL092K-1R0X	P COIL		1uH K	C3008	NCB31HK-103X	C CAPACITOR	0.01uF	50V K
L1501	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	C3009	NEH71HM-106X	E CAPACITOR	10uF	50V M
L3001	NQR0489-002X	FERRITE BEADS			C3010	NCB31HK-103X	C CAPACITOR	0.01uF	50V K
L3005	NRSA02J-0R0X	MG RESISTOR	0Ω	1/10W J	C3011	NEH71HM-106X	E CAPACITOR	10uF	50V M
L3006	NRSA02J-0R0X	MG RESISTOR	0Ω	1/10W J	C3012	NCB31HK-103X	C CAPACITOR	0.01uF	50V K
L3007	NRSA02J-0R0X	MG RESISTOR	0Ω	1/10W J	C3014	NEH71HM-106X	E CAPACITOR	10uF	50V M
L3008	NRSA02J-0R0X	MG RESISTOR	0Ω	1/10W J	C3015	NCB31HK-103X	C CAPACITOR	0.01uF	50V K
L3009	NRSA02J-0R0X	MG RESISTOR	0Ω	1/10W J	C3501	NCB11AK-106X	C CAPACITOR	10uF	10V K
L3010	NRSA02J-0R0X	MG RESISTOR	0Ω	1/10W J	C3502	NCB31CK-104X	C CAPACITOR	0.1uF	16V K
L3012	NRSA02J-0R0X	MG RESISTOR	0Ω	1/10W J	C3503	NCB31HK-103X	C CAPACITOR	0.01uF	50V K
L3501	NQR0413-003X	FERRITE BEADS			C3504	NCB31HK-103X	C CAPACITOR	0.01uF	50V K
L4001	NQR0413-003X	FERRITE BEADS			C3511	NCB31HK-103X	C CAPACITOR	0.01uF	50V K
L4002	NRSA02J-0R0X	MG RESISTOR	0Ω	1/10W J	C3512	NCB31HK-103X	C CAPACITOR	0.01uF	50V K
L4003	NRSA02J-0R0X	MG RESISTOR	0Ω	1/10W J	C3513	NDC31HJ-2R0X	C CAPACITOR	2pF	50V J
L6501	NQR0351-001X	FERRITE BEADS			C3514	NDC31HJ-2R0X	C CAPACITOR	2pF	50V J
L6502	NRSA02J-0R0X	MG RESISTOR	0Ω	1/10W J	C3515	NCB31CK-104X	C CAPACITOR	0.1uF	16V K
L6508	NRZ0034-0R0W	NET RESISTOR	0Ω	1/32W J x4	C3516	NEH71AM-107X	E CAPACITOR	100uF	10V M
L6509	NRZ0034-0R0W	NET RESISTOR	0Ω	1/32W J x4	C3517	NCB31HK-103X	C CAPACITOR	0.01uF	50V K
L6510	NRZ0034-0R0W	NET RESISTOR	0Ω	1/32W J x4	C3518	NCB31HK-222X	C CAPACITOR	2200pF	50V K
L7001	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	C3519	NCB31CK-105X	C CAPACITOR	1uF	16V K
L7002	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	C3520	NDC31HJ-102X	C CAPACITOR	1000pF	50V J
L7003	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	C3521	NCB31CK-105X	C CAPACITOR	1uF	16V K
L7004	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	C3522	NDC31HJ-102X	C CAPACITOR	1000pF	50V J
L7005	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	C3523	NDC31HJ-102X	C CAPACITOR	1000pF	50V J
L7006	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	C3524	NDC31HJ-102X	C CAPACITOR	1000pF	50V J
L7501	NQL092K-4R7X	P COIL		4.7uH K	C3525	NEH71CM-106X	E CAPACITOR	10uF	16V M
L7502	NQL092K-4R7X	P COIL		4.7uH K	C3526	NCB31HK-103X	C CAPACITOR	0.01uF	50V K
L7503	NQL092K-4R7X	P COIL		4.7uH K	C3527	NCB31CK-104X	C CAPACITOR	0.1uF	16V K
L7504	NQL092K-4R7X	P COIL		4.7uH K	C3528	NEH71AM-107X	E CAPACITOR	100uF	10V M
L7505	NQL092K-4R7X	P COIL		4.7uH K	C3529	NEH71CM-106X	E CAPACITOR	10uF	16V M
L7506	NQL914M-4R7X	COIL		4.7uH M	C3530	NCB11AK-106X	C CAPACITOR	10uF	10V K
L7507	NQL092K-4R7X	P COIL		4.7uH K	C3531	NCB31CK-104X	C CAPACITOR	0.1uF	16V K
L7508	NQL092K-4R7X	P COIL		4.7uH K	C3532	NCF31AZ-105X	C CAPACITOR	1uF	10V Z
L7509	NQL092K-4R7X	P COIL		4.7uH K	C3533	NCF31AZ-105X	C CAPACITOR	1uF	10V Z
L7510	NQL092K-4R7X	P COIL		4.7uH K	C3534	NCF31AZ-105X	C CAPACITOR	1uF	10V Z
L7511	NQL092K-4R7X	P COIL		4.7uH K	C3535	NCF31AZ-105X	C CAPACITOR	1uF	10V Z
L7512	NQL914M-4R7X	COIL		4.7uH M	C3536	NCB11AK-106X	C CAPACITOR	10uF	10V K
L7513	NQL914M-4R7X	COIL		4.7uH M	C3537	NCB31CK-104X	C CAPACITOR	0.1uF	16V K
L7514	NQL092K-4R7X	P COIL		4.7uH K	C3544	NCB31AK-105X	C CAPACITOR	1uF	10V K
L9001	NQL71EM-150X	COIL		15uH M	C3546	NCB31AK-105X	C CAPACITOR	1uF	10V K
L9101	NQL71EM-150X	COIL		15uH M	C3551	NCB31HK-222X	C CAPACITOR	2200pF	50V K
L9201	NQL71EM-150X	COIL		15uH M	C3552	NCB31HK-222X	C CAPACITOR	2200pF	50V K
CN001	QGF0508F1-50X	CONNECTOR	FFC/FPC (1-50)		C3553	NCB31HK-822X	C CAPACITOR	8200pF	50V K
CN002	QGF0508F1-30X	CONNECTOR	FFC/FPC (1-30)		C3554	NCB31HK-822X	C CAPACITOR	8200pF	50V K
K1001	NRSA02J-0R0X	MG RESISTOR	0Ω	1/10W J	C3555	NCB31HK-223X	C CAPACITOR	0.022uF	50V K
K1004	NQR0489-002X	FERRITE BEADS			C3556	NCB31HK-223X	C CAPACITOR	0.022uF	50V K
K3003	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	C3559	NEH71AM-107X	E CAPACITOR	100uF	10V M
K3006	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	C3560	NEH71CM-476X	E CAPACITOR	47uF	16V M
K7002	NRSA02J-0R0X	MG RESISTOR	0Ω	1/10W J	C3571	NCB11AK-106X	C CAPACITOR	10uF	10V K
K7501	NRSA63J-390X	MG RESISTOR	39Ω	1/16W J	C3572	NCB11AK-106X	C CAPACITOR	10uF	10V K
K7502	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	C3573	NCB31HK-103X	C CAPACITOR	0.01uF	50V K
K7503	NQR0389-003X	FERRITE BEADS			C3574	NCB11AK-106X	C CAPACITOR	10uF	10V K
LC0102	NQR0483-005X	EMI FILTER		100uF 25V Z	R3002	NRSA63J-473X	MG RESISTOR	47kΩ	1/16W J
LC0519	NQR0416-001X	EMI FILTER		240pF 16V M	R3003	NRSA63J-473X	MG RESISTOR	47kΩ	1/16W J
LC0524	NQR0415-005X	EMI FILTER		0.1uF 25V M					
LC0525	NQR0470-003X	EMI FILTER	100pF	50V +50%-20%					
LC6501	NQR0479-001X	EMI FILTER							
LC7501	NQR0313-007X	EMI FILTER		1000pF 50V M					
LC7502	NQR0431-001X	EMI FILTER		0.22uF 50V Z					
SL7001	NAX0613-001X	C RESONATOR							
X1001	NAX0642-001X	CRYSTAL							
X3001	NAX0635-001X	CXO							
X3003	NAX0668-001X	CXO							

△Ref No.	Part No.	Part Name	Description	Local	△Ref No.	Part No.	Part Name	Description	Local
R3006	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R3556	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3007	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R3557	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R3558	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3009	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R3559	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R3010	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R3560	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R3011	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R3561	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R3014	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R3562	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R3015	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R3563	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3016	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R3564	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3017	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R3572	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R3018	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R3573	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R3111	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R3574	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R3112	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R3575	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R3501	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R3576	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3508	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R3577	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3511	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R3578	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3512	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R3579	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3513	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R3580	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3514	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R3581	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3515	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R3582	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3516	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R3583	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3517	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R3584	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3518	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R3585	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3519	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J						
R3520	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		L3001	NQL79GM-220X	COIL	22uH M	
R3521	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		L3002	NQL79GM-100X	COIL	10uH M	
R3546	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		L3003	NQL79GM-220X	COIL	22uH M	
R3547	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		L3503	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R3551	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		L3504	NQL79GM-4R7X	COIL	4.7uH M	
R3552	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		L3506	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R3553	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J		L3507	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R3554	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J		L3508	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R3555	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J		L3509	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
					K3501	NQR0389-003X	FERRITE BEADS		
					K3502	NQR0389-003X	FERRITE BEADS		
					LC3501	NQR0431-001X	EMI FILTER	0.22uF 50V Z	
				△TU3001	QAU0387-001	TUNER			
				X3501	QAX0773-001Z	CRYSTAL	18.432000MHz		

## REMOTE CONTROL UNIT PARTS LIST (RM-C1811H-1C)

△ Ref No.	Part No.	Part Name	Description	Local
	2AA070311	BATTERY COVER		

## PACKING PARTS LIST

△ Ref.No.	Part No.	Part Name	Description	Local
001	AEM1002-094-E	PACKING CASE		
002	AEM1066-026-E	EURO LABEL		
003	AEM1164-001A-U	CUSHION ASSY	4pcs in 1set	
004	AEM4166-001A-U	POWER CORD HOLDER		
005	LCT1504-001A-U	CAUTION SHEET		
006	AEM1047-A04-E	FOAM BAG		
007	RM-C1811H-1C	REMOCON UNIT		
008	QPA02503505P	POLY BAG	25cm x 35cm	
009	BT-54023-1E	WARRANTY CARD		
△ 010	LCT1700-001A-U	INST BOOK	English/German/French/Duch/Spanish/Italian/Portuguese	
△ 011	LCT1701-001A-U	INST BOOK	Norwegian/Finn/Danish/Swedish	
△ 012	LCT1702-001A-U	INST BOOK	Russian/Romanian/Czech/Polish/Hungarian/Bulgarian	
013	LCT1769-001A-U	INST SHEET		
014	-----	BATTERY	R6P/AA(x2)	



PACKING

